



PRODUCTION COMPANY
A Subsidiary of Inland Resources Inc.

January 15, 2002

State of Utah
Division of Oil, Gas & Mining
Attn: Brad Hill
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: 1-32-8-18, 7-32-8-18, 8-32-8-18, 9-32-8-18,
11-32-8-18, 12-32-8-18, 13-32-8-18, 14-32-8-18, 15-32-8-18, and 16-32-8-18.

Dear Brad:

Enclosed find APD's on the above referenced wells. Please call Brad Mecham at (435) 646-3721 to schedule on-sites. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier
Permit Clerk

mc
enclosures

RECEIVED

JAN 17 2002

DIVISION OF
OIL, GAS AND MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

| | | | |
|--|---|--|---|
| 1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> | | 5. MINERAL LEASE NO: ML-22058 | 6. SURFACE: State |
| B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | | 7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A | |
| 2. NAME OF OPERATOR: Inland Production Company | | 8. UNIT or CA AGREEMENT NAME: N/A | |
| 3. ADDRESS OF OPERATOR: Route #3 Box 3630 CITY Myton STATE UT ZIP 84052 | | PHONE NUMBER: (435) 646-3721 | 9. WELL NAME and NUMBER: Sundance 12-32-8-18 |
| 4. LOCATION OF WELL (FOOTAGES) AT SURFACE: NW/SW 1980' FSL 660' FWL AT PROPOSED PRODUCING ZONE: | | 10. FIELD AND POOL, OR WILDCAT: Monument Butte 8 mile Flat North 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 32 T8S 18E | |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 21.4 miles southeast of Myton, UT | | 12. COUNTY: Uintah | 13. STATE: UTAH |
| 15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) Approximately 660' f/lse line | 16. NUMBER OF ACRES IN LEASE: 640 acres | 17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 | |
| 18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) Approximately 1155' | 19. PROPOSED DEPTH: 6,500 | 20. BOND DESCRIPTION: Hartford Accident #4471291 | |
| 21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5014.9 GR | 22. APPROXIMATE DATE WORK WILL START: 4/1/2002 | 23. ESTIMATED DURATION: 7 days | |

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | CASING SIZE, GRADE, AND WEIGHT PER FOOT | SETTING DEPTH | CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT |
|--------------|---|---------------|--|
| 12 1/4 | 8 5/8 J-55 24# | 290 | Class G Cement 155sx +/-10% 1.17 Cu Ft/sk 15.8 PPG |
| 7 7/8 | 5 1/2 J-55 15.5# | 6,500 | Premium Lite II 275sx lead 3.43 Cu Ft/sk 11.0 PPG |
| | | | Class G Cement 450sx tail 1.59 Cu Ft/sk 14.2 PPG |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

RECEIVED

ATTACHMENTS

25. VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATIONS GENERAL RULES:

| | |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

DIVISION OF
OIL, GAS AND MINING

NAME (PLEASE PRINT) Mandie Crozier TITLE Permit Clerk
SIGNATURE Mandie Crozier DATE 1/15/02

(This space for State use only)

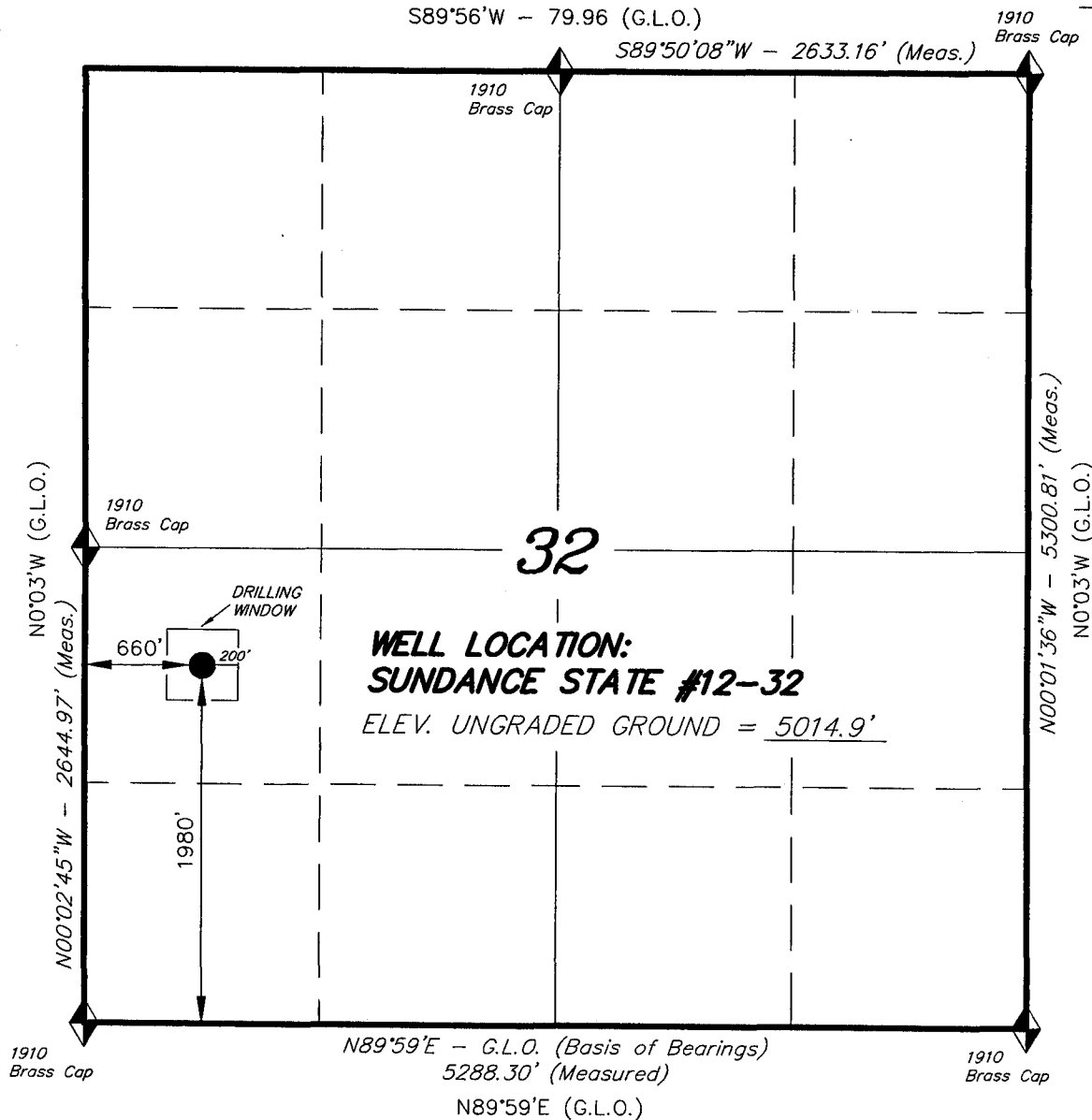
API NUMBER ASSIGNED: 43-047-34462

APPROVAL:

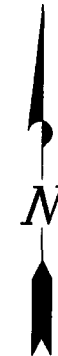
Approved by the
Utah Division of
Oil, Gas and Mining
Date: 03-14-02
By: [Signature]

T8S, R18E, S.L.B.&M.

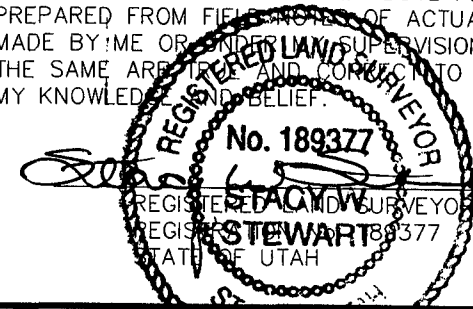
INLAND PRODUCTION COMPANY



WELL LOCATION, SUNDANCE STATE #12-32, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 32, T8S, R18E, S.L.B.&M. UINTAH COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

TRI STATE LAND SURVEYING & CONSULTING
38 WEST 100 NORTH - VERNAL, UTAH 84078
(435) 781-2501

| | |
|-------------------|---------------------|
| SCALE: 1" = 1000' | SURVEYED BY: D.J.S. |
| DATE: 12-17-01 | DRAWN BY: J.R.S. |
| NOTES: | FILE # |

INLAND PRODUCTION COMPANY
SUNDANCE 12-32-8-18
NW/SW SECTION 32, T8S, R18E
UINTAH COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

| | |
|-------------|-----------|
| Uinta | 0 – 1700' |
| Green River | 1700' |
| Wasatch | 6500' |

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1700' – 6500' – Oil

4. **PROPOSED CASING PROGRAM:**

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at 290' (New)
Production Casing: 5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected).

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Series 900 Annular Bag type BOP and an 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

The well will be drilled with air mist system to 3200', then from 3200' +/- to TD a fresh water/polymer system will be utilized. If necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. This fresh water system typically will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

AIR DRILLING

In the event that the proposed location is to be "Air Drilled", Inland requests a variance to regulations requiring a straight run blooie line. Inland proposes that the flowline will contain two (2) 90-degree turns. Inland also requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. Inland requests authorization to ignite as needed, and the flowline at 80'.

Inland Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

MUD PROGRAM

Surface – 3200'
3200' – TD'

MUD TYPE

fresh water or air/mist system
fresh water system

From surface to \pm 3200 feet will be drilled with either fresh water or an air/mist system, depending on the drilling contractor's preference. From about 3200 feet, or in the case of the air/mist system when hole conditions dictate, to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCL substitute additive. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite. No chromate additives will be used in the mud system.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 290' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered; or that any other abnormal hazards such as H₂S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the first quarter of 2002, and take approximately seven (7) days from spud to rig release.

INLAND PRODUCTION COMPANY
SUNDANCE 12-32-8-18
NW/SW SECTION 32, T8S, R18E
UINTAH COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map "A"**

To reach Inland Production Company well location site Sundance 12-32-8-18 located in the NW¼ SW¼ Section 32, T8S, R18E, S.L.B. & M., Uintah County, Utah:

Proceed in a southwesterly direction out of Myton, Utah along Highway 40 approximately 1.6 miles to the junction of this highway and Utah State Highway 53; proceed southeasterly along Utah State Highway 53 approximately 13.8 miles to its junction with an existing road to the north; proceed northerly 0.3 miles to its junction with an existing road to the east; proceed northeasterly approximately 5.4 miles to its junction with an existing road to the northeast; proceed northeasterly approximately 0.3 miles to its junction with the beginning of the proposed access road; proceed southerly along the proposed access road approximately 1,200' to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. **PLANNED ACCESS ROAD**

Approximately 1,200' \pm of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Fresh water purchased from the Johnson Water District will be used for drilling. A temporary poly pipeline may be used for water transportation from our existing supply line from Johnson Water District, or trucked from Inland Production Company's injection facilities – **EXHIBIT A**.

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined in storage tanks. Inland requests temporary approval to transfer the produced water to Inland's nearby waterflood, for re-injection into the waterflood reservoirs via existing approved injection wells. Within 90 days of first production, a water analysis will be submitted to the Authorized Officer along with an application for approval of this, as a permanent disposal method.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** State of Utah

12. **OTHER ADDITIONAL INFORMATION:**

- a) Inland Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Inland is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Inland Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Archaeological Cultural Resource Survey is enclosed.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Inland Production Company guarantees that during the drilling and completion of the Sundance 12-32-8-18, Inland will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Inland also guarantees that during the drilling and completion of the Sundance 12-32-8-18 Inland will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Inland Production Company or a contractor employed by Inland Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

Name: Brad Mecham
Address: Inland Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that INLAND RESOURCES, INC. is considered to be the operator of well #12-32-8-18, NW/SW Section 32, T8S, R18E, LEASE #ML-22058, Uintah County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4471291.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

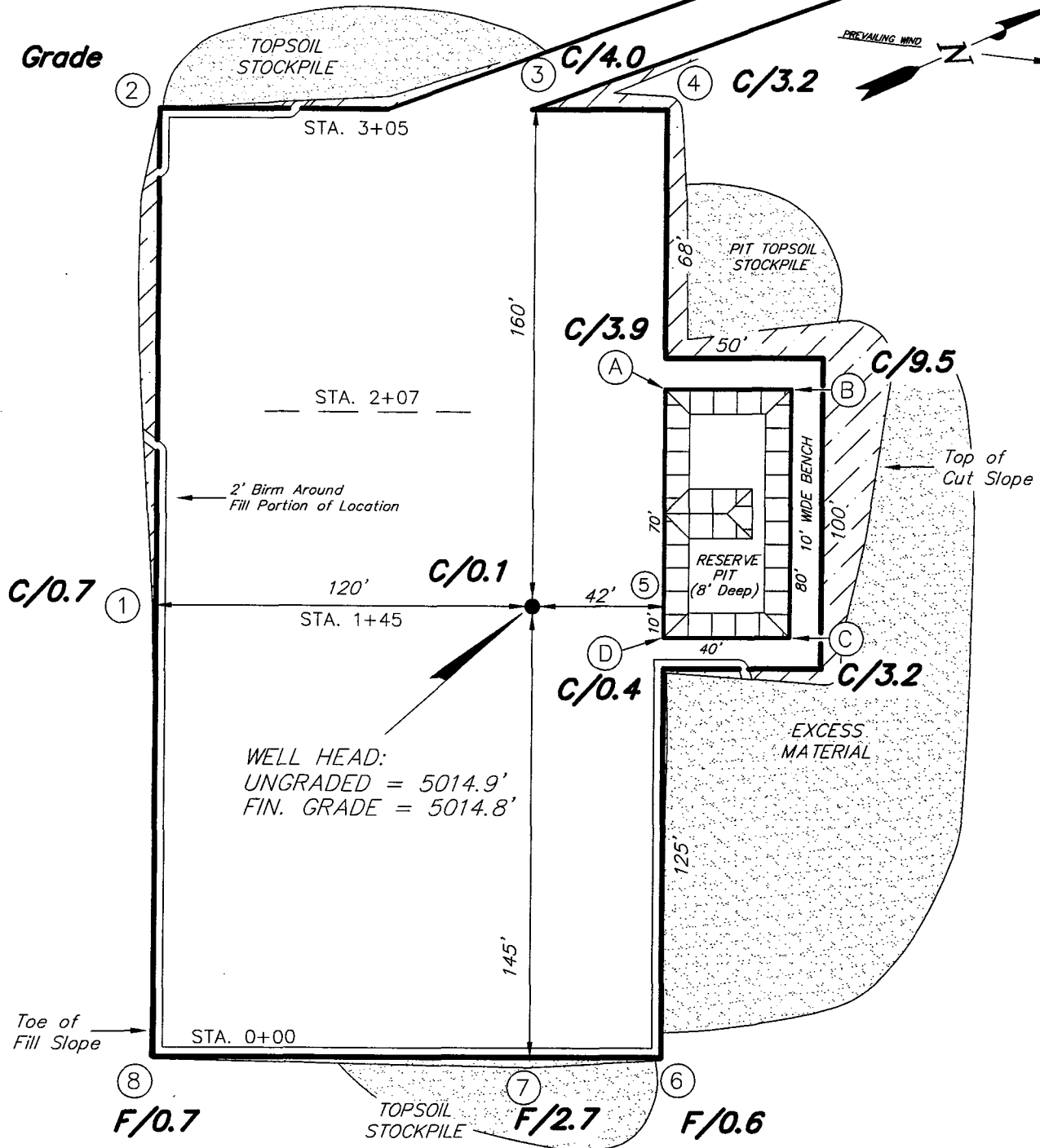
1/15/02
Date

Mandie Crozier
Mandie Crozier
Permit Clerk
Inland Production Company

INLAND PRODUCTION COMPANY

SUNDANCE STATE #12-32
SEC. 32, T8S, R18E, S.L.B.&M.

PROPOSED ACCESS
ROAD (Max. 6% Grade)



REFERENCE POINTS

210' NORTHWEST = 5020.4'
260' NORTHWEST = 5021.9'

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 12-17-01

Tri State
Land Surveying, Inc.

(435) 781-2501

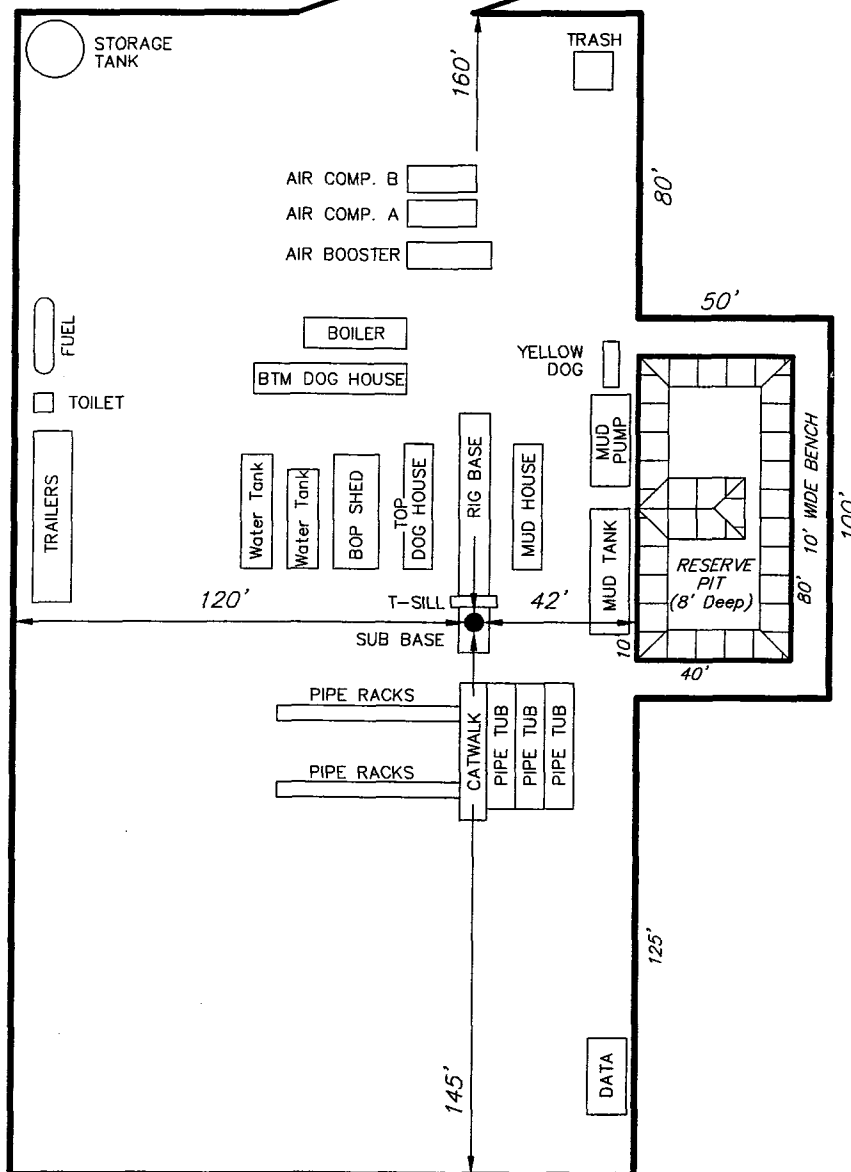
38 WEST 100 NORTH VERNAL, UTAH 84078

INLAND PRODUCTION COMPANY

TYPICAL RIG LAYOUT

SUNDANCE STATE #12-32

PROPOSED ACCESS
ROAD (Max. 6% Grade)



SURVEYED BY: D.J.S.

SCALE: 1" = 50'

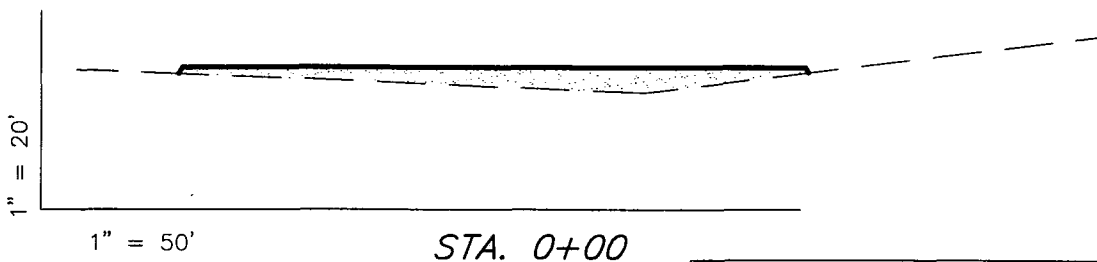
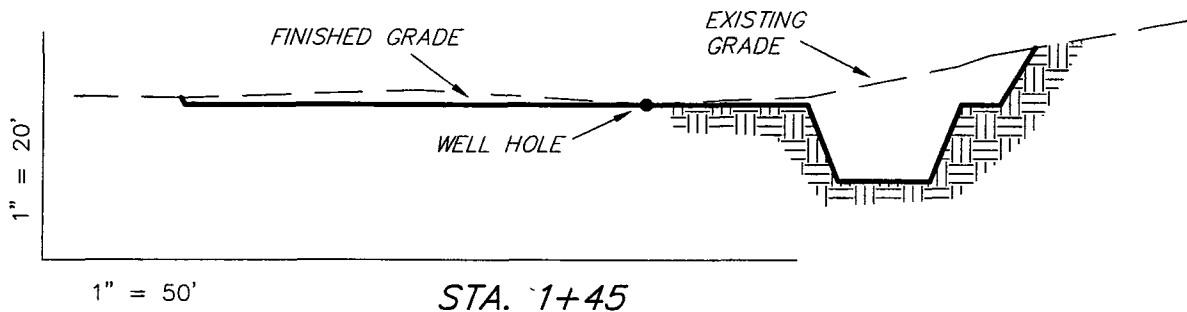
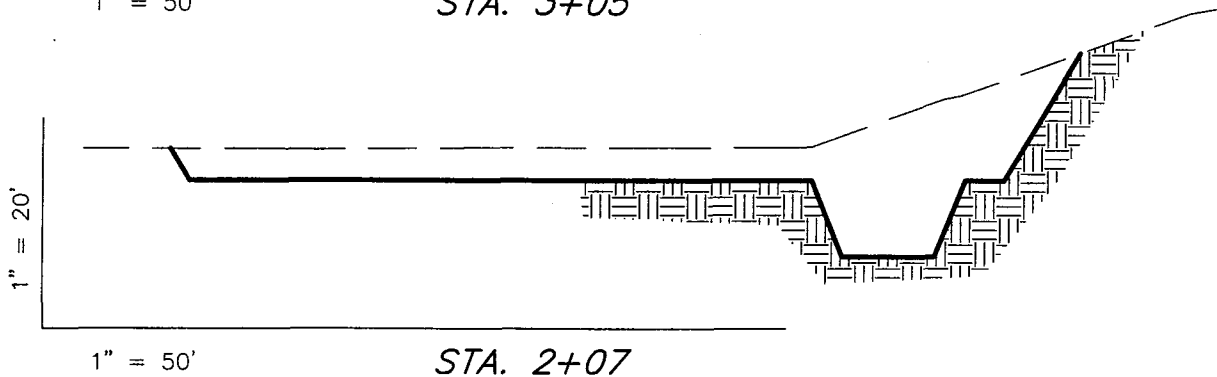
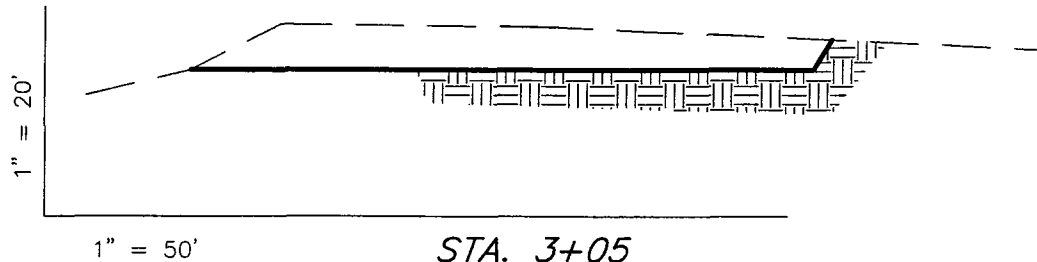
DRAWN BY: J.R.S.

DATE: 12-17-01

Tri State
Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078

(435) 781-2501

INLAND PRODUCTION COMPANY
CROSS SECTIONS
SUNDANCE STATE #12-32



NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(Expressed in Cubic Yards)

| ITEM | CUT | FILL | 6" TOPSOIL | EXCESS |
|--------|-------|------|--|--------|
| PAD | 3,670 | 820 | Topsoil is not included in Pad Cut | 2,850 |
| PIT | 640 | 0 | | 640 |
| TOTALS | 4,310 | 820 | 1,010 | 3,490 |

SURVEYED BY: D.J.S.

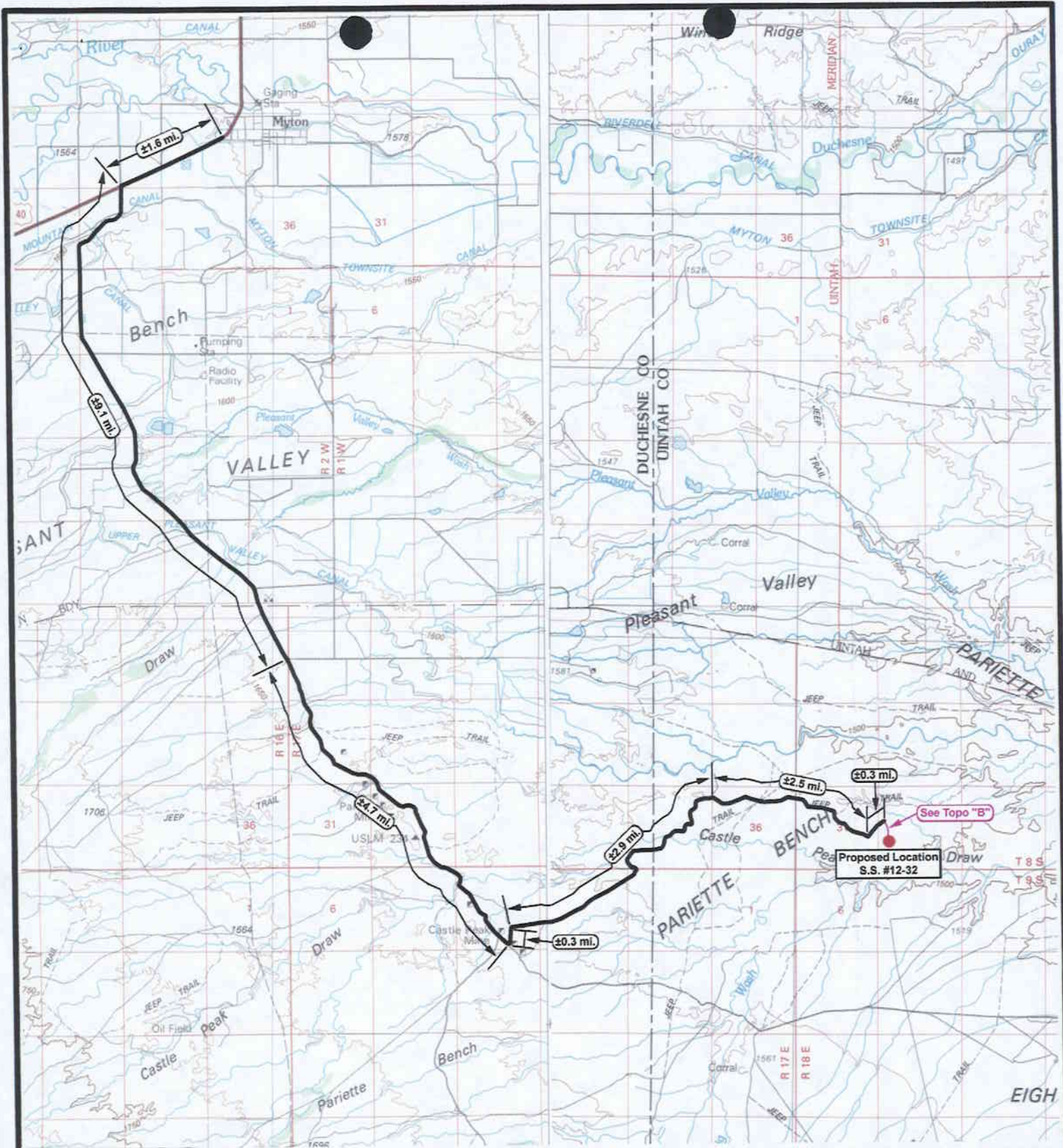
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DRAWN BY: J.R.S.

DATE: 12-17-01

Tri State
Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078

(435) 781-2501



**Sundance State #12-32
SEC. 32, T8S, R18E, S.L.B.&M.**



**Tri-State
Land Surveying Inc.**
(435) 781-2501
38 West 100 North Vernal, Utah 84078

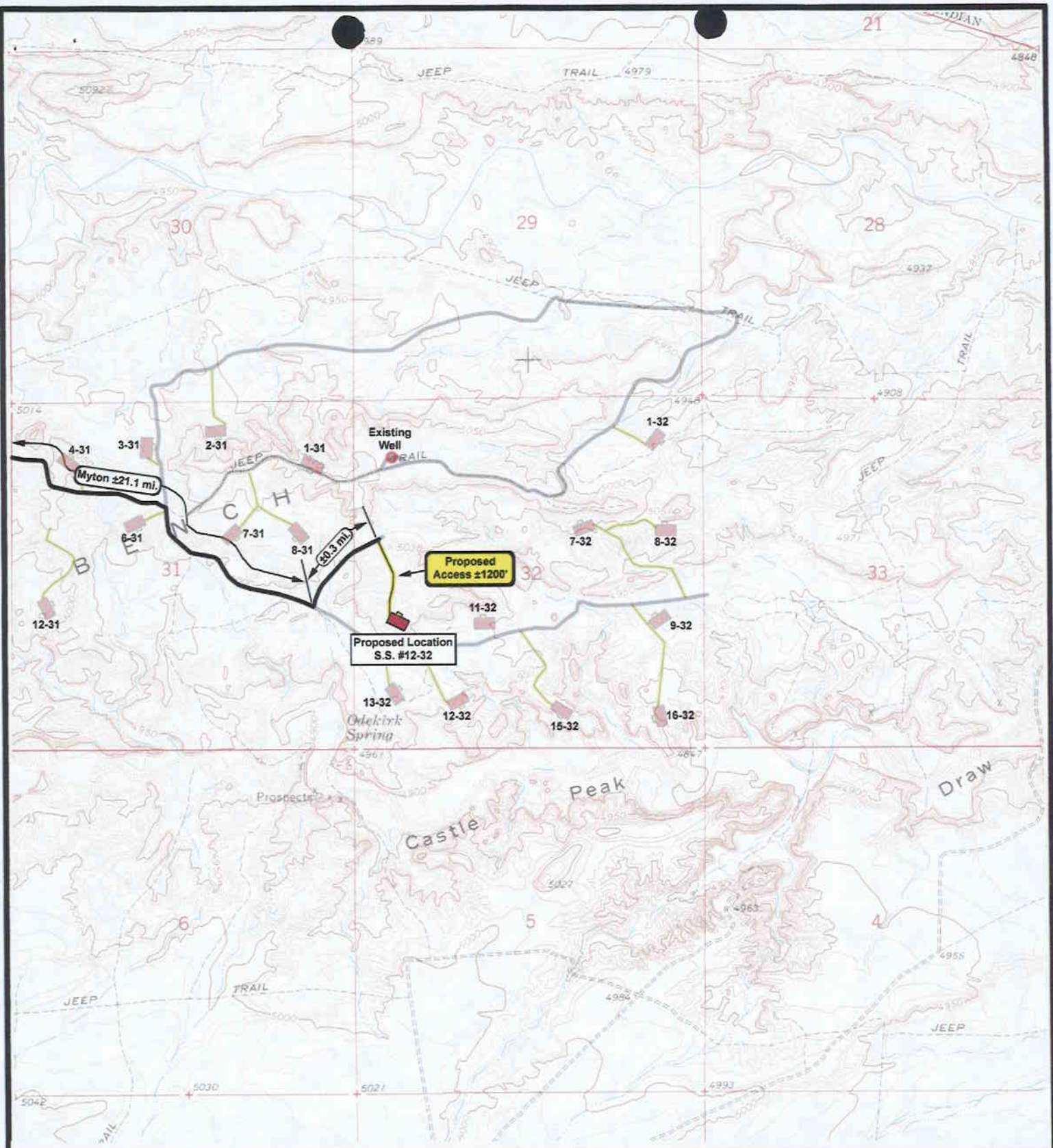
SCALE: 1" = 2000'
DRAWN BY: D.J.
DATE: 12-18-2001

Legend

Existing Road
Proposed Access

TOPOGRAPHIC MAP

"A"



Sundance State #12-32
SEC. 32, T8S, R18E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
38 West 100 North Vernal, Utah 84078

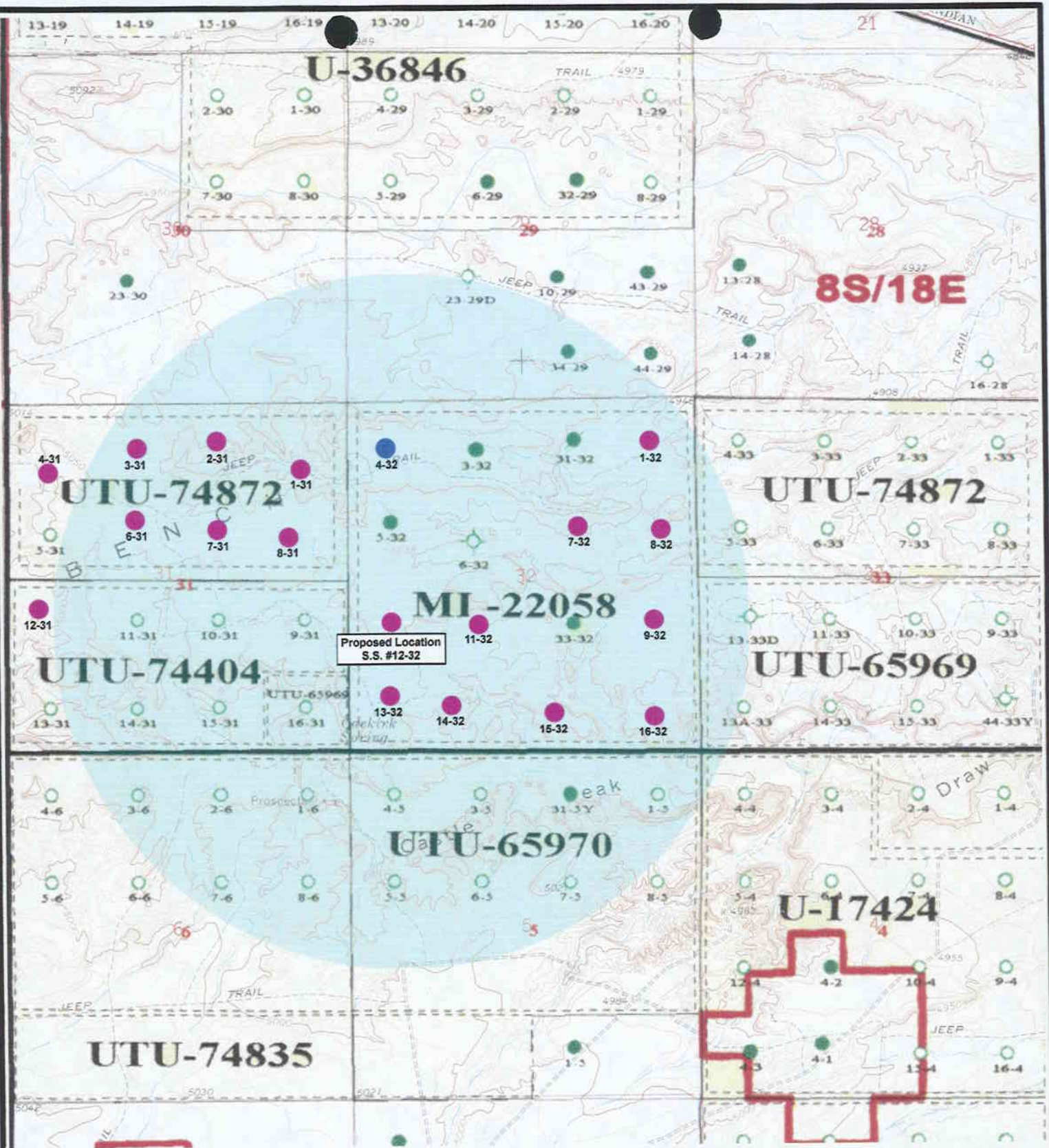
SCALE: 1" = 2000'
DRAWN BY: D.J.
DATE: 12-18-2001

Legend

- Existing Road
- Proposed Access
- Access to be Upgraded

TOPOGRAPHIC MAP

"B"



**Sundance State #12-32
SEC. 32, T8S, R18E, S.L.B.&M.**



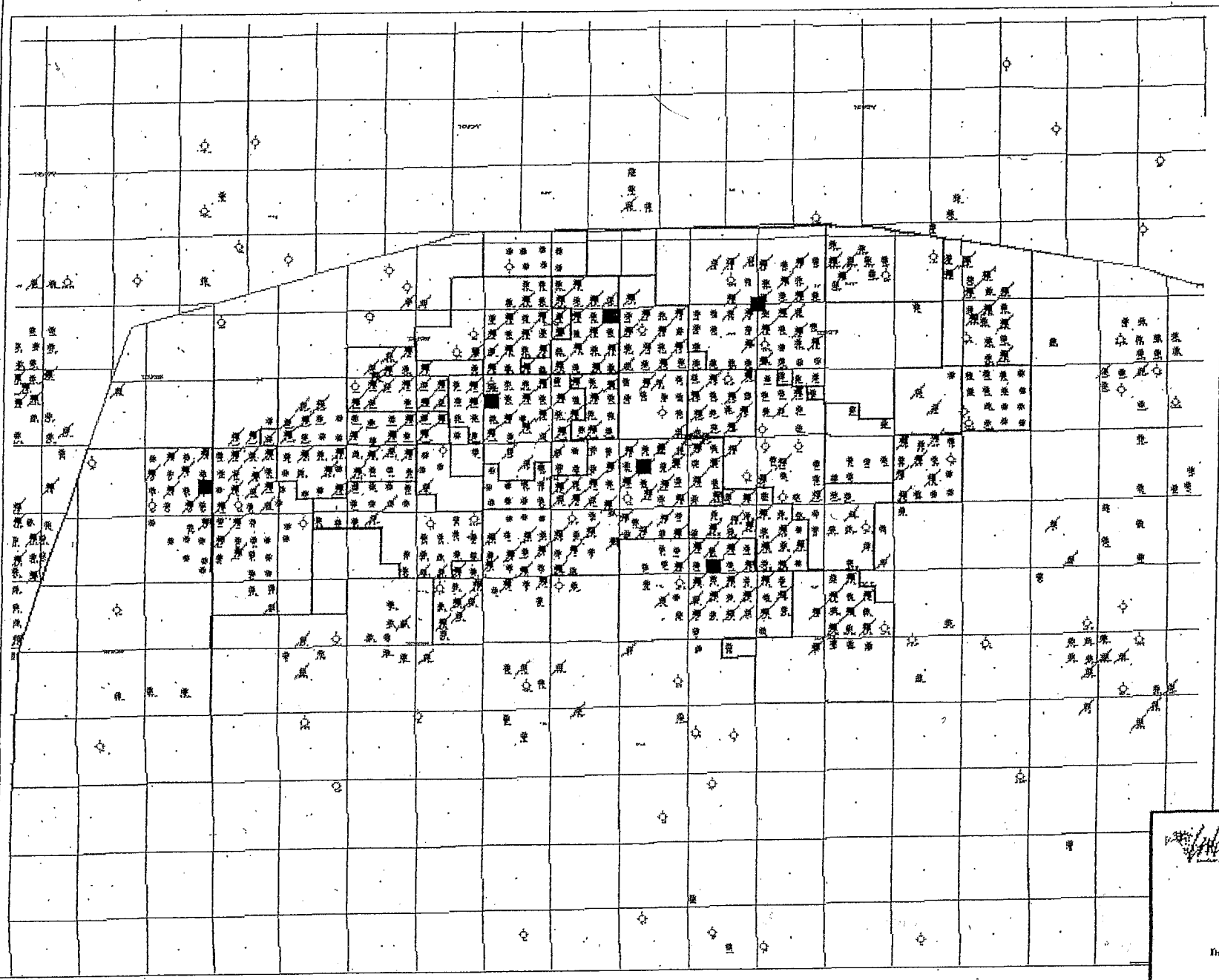
**Tri-State
Land Surveying Inc.**
(435) 781-2501
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'

DRAWN BY: D.J.

DATE: 12-19-2001

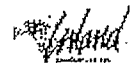
**Exhibit
"B"**



- Hacking Shakes
- Wet Outcrops
- INJ
- OIL
- DRY
- SHUTIN
- Urbs



Exhibit "A"



410 1st St. S.W. 700
 Denver, Colorado 80202
 Phone: 303 533 0122

Ulu-Basin

UNITA HARDY, L.L.C.

Bartholomew & Church Counties, MO

July 10, 2000

C. J. Cooper

2-M SYSTEM

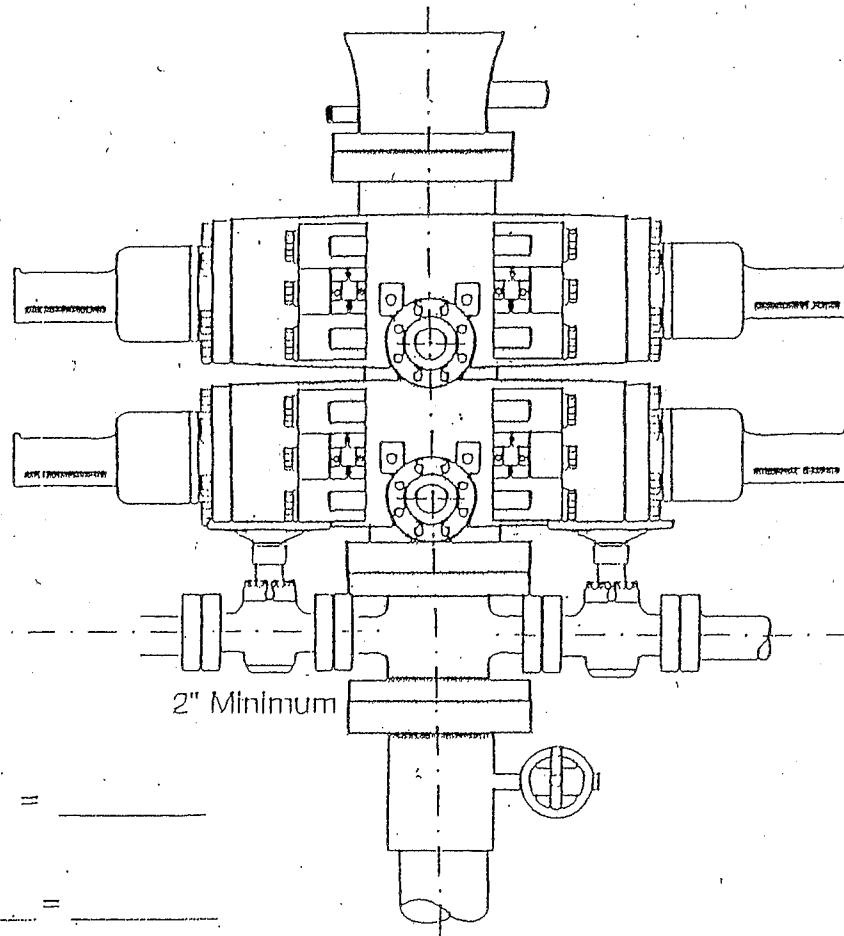
EXHIBIT "C"

RAM TYPE B.O.P.

Make:

Size:

Model:



2" Minimum

2" Minimum

2" Minimum

2" Minimum

GAL TO CLOSE

Annular BOP = _____

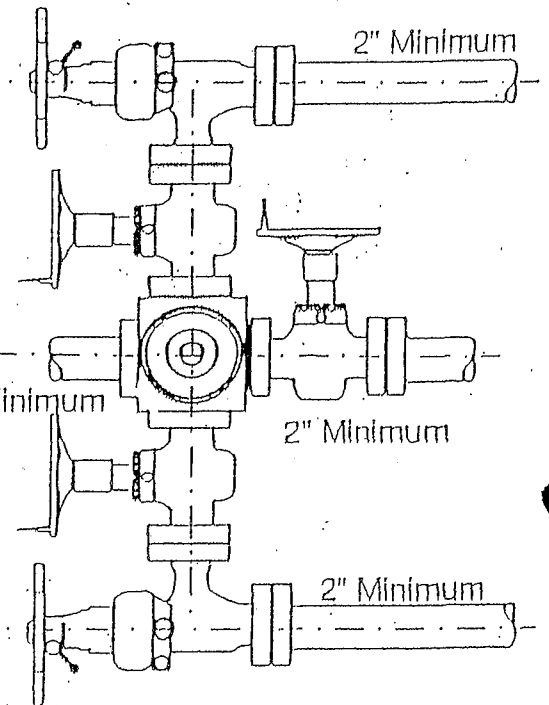
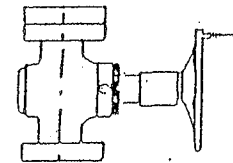
Ramtype BOP

_____ Rams x _____ = _____

= _____ Gal.

_____ x 2 = _____ Total Gal.

Rounding off to the next higher
Increment of 10 gal. would require
_____ Gal. (total fluid & nitro volume)



CULTURAL RESOURCE INVENTORY OF
INLAND RESOURCES' ODEKIRK UNIT, TOWNSHIP 8S,
RANGE 18E, SECTION 32, UINTAH COUNTY, UTAH

Keith R. Montgomery
and
Sarah Ball

CULTURAL RESOURCE INVENTORY OF
INLAND RESOURCES' ODEKIRK UNIT, TOWNSHIP 8S,
RANGE 18E, SECTION 32, UINTAH COUNTY, UTAH

by

Keith R. Montgomery
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Prepared For:

State of Utah
School and Institutional Trust
Land Administration

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Permit No. 01-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-01-MQ-00739s

ABSTRACT

A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) of Inland Resources' Odekirk Unit in Township 8S, Range 18E, Section 32, Uintah County, Utah. Inland Resources proposes to develop oil/gas well locations, access roads, and pipelines in this 480-acre block. The project area occurs on land administered by the State of Utah, School and Institutional Trust Land Administration (SITLA).

The inventory of the project area resulted in the documentation of eleven new prehistoric sites (42Un2947 to 42Un2957) and the recordation of six isolated finds of artifacts (IF-A through IF-F). Nine of the eleven sites are lithic procurement localities (42Un2947, 42Un2948, 42Un2950, 42Un2951, 42Un2952, 42Un2953, 42Un2954, 42Un2955, and 42Un2956). These sites include lithic debitage and cores of local material, as well as bifaces, utilized flakes, scrapers, and hammerstones. One of the sites, 42Un2948 also includes a single-handed sandstone mano. Two lithic scatters were documented (42Un2949 and 42Un2957), consisting of lithic debitage and a few lithic tools. The isolated finds (IF-A through IF-F) include an aqua-colored glass whiskey bottle, lithic flakes, cores, a hammerstone, and a Stage III biface.

Three of the lithic procurement sites (42Un2948, 42Un2950 and 42Un2954) are recommended eligible to the NRHP under criterion D. These sites, although surficial, exhibit a variety of tools (cores, bifaces, hammerstones, and a mano) as well as the spatial patterning of artifacts. Additional investigations at these sites is likely to contribute to the prehistoric research domains of the area. Eight of the prehistoric sites (42Un2947, 42Un2949, 42Un2951, 42Un2952, 42Un2953, 42Un2955, 42Un2956, and 42Un2957) are evaluated as not eligible for inclusion to the NRHP. They are limited activity sites lacking temporal indicators, spatial patterning, and features; hence they fail to possess additional information relevant to the prehistoric research domains of the area.

The inventory of Inland Resources' Odekirk Unit resulted in the documentation of three prehistoric sites (42Un2948, 42Un2950 and 42Un2954) that are considered eligible to the NRHP. It is recommended that these sites be avoided by the undertaking. Based on the adherence to this recommendation, a determination of "no historic properties affected" pursuant to Section 106, CFR 800 is proposed for this project.

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1. Inventory Area of Inland Resources' Odekirk Unit in T 8S, R 18E,
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INTRODUCTION

In November 2001, a cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) of Inland Resources' Odekirk Unit, in Township 8S, Range 18E, Section 32. The project area occurs approximately 19 miles southeast of Myton, Uintah County, Utah. Inland Resources, Inc. proposes to develop oil/gas well locations, access roads, and pipelines in this 480-acre block. The inventory was implemented at the request of Mr. Jon Holst, permitting agent for Inland Resources. The project area occurs on land administered by the State of Utah, School and Institutional Trust Land Administration (SITLA).

The objective of the inventory was to locate, document and evaluate any cultural resources within the project area. This project is carried out in compliance with Federal and State legislation including the Antiquities Act of 1906, the National Historic Preservation Act (NHPA) of 1966 (as ammended), the National Environmental and Historic Preservation Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, and the American Indian Religious Freedom Act of 1978.

The fieldwork was directed by Keith R. Montgomery (Principal Investigator) and assisted by Sarah Ball, Mark Beeson, Sharyl Kinnear-Ferris, Kathy Lamm, Greg Nunn, Anne Raney, and Roger Stash. The inventory was conducted under the auspices of U.S.D.I. (FLPMA) Permit No. 01-UT-60122 and State of Utah Antiquities Project (Survey) No. U-01-MQ-0739s.

A file search for previous projects and documented cultural resources was conducted by Keith Montgomery at the BLM Vernal Field Office (November 2, 2001) and by Sarah Ball at the Division of State History (November 13, 2001). This consultation indicated that a number of archaeological projects have been conducted in the area surrounding the project area. In 1981, Utah Archaeological Research Corporation conducted an inventory for Natural Gas Corporation, documenting a lithic scatter (42Un1237) (Cook 1982). Metcalf Archaeological Consultants, Inc. completed a survey of a well location and access road for PG&E Resources in 1994, finding two prehistoric isolated finds of artifacts (Scott 1994). In 1995, Sagebrush Archaeological Consultants inventoried five PG&E well pads near the project area and documented one archaeological site (no site number given) (Weymouth and Simmons 1994). In the following year Sagebrush Archaeological Consultants inventoried a well location and access road for Lomax Exploration Company finding no cultural resources (Murray 1995). No previously recorded cultural resources are situated in the immediate project area.

DESCRIPTION OF PROJECT AREA

The project area lies on Pariette Bench along the north side of Castle Peak Draw in the Uinta Basin. A 480-acre parcel was surveyed for proposed oil and gas development by Inland Resources. The legal description is Township 8S, Range 18E, Section 32 (Figure 1).

Topographically, this area consists of highly dissected sandstone and mudstone rock formations and broad sandy silt ridges (Stokes 1986). Recent alluvial deposits, older alluvial terrace deposits, and rock outcrops of the Upper Eocene Uinta Formation constitute the surface geology of the area. The Uinta Formation is seen as eroded outcrops formed by fluvial deposited stream laid interbedded sandstone and mudstone. This formation is known for its fossil vertebrates, including turtles, crocodilians, fish, and mammals. The elevation ranges from 4850 to 5100 feet a.s.l. Named water sources nearby include Pariette Draw, Castle Peak Draw, and Odekirk Spring. The project area lies within the Upper Sonoran life zone, dominated by a shadscale community intermixed with low sagebrush, mat saltbush, greasewood, rabbitbrush, snakeweed, prickly pear cactus, pincushion cactus, and grasses. A riparian zone exists along the washes, and includes cottonwood, Russian olive, and tamarisk. Modern disturbances to the landscape include well locations, access roads, pipelines, and livestock grazing.

Cultural Overview

The cultural-chronological sequence represented in the area includes the Paleoindian, Archaic, Fremont, Protohistoric, and Euro-American stages. The earliest inhabitants of the region are representative of the Paleoindian stage (ca. 12,000-8,000 B.P.). This stage is characterized by the adaptation to terminal Pleistocene environments and by the exploitation of big game fauna. The presence of Paleoindian hunters in the Uinta Basin region is implied by the discovery of Clovis and Folsom fluted points (ca. 12,000 B.P. - 10,000 B.P.), as well as the more recent Plano Complex lanceolate points (ca. 10,000 B.P. - 7,000 B.P.). Near the project area, a variety of Paleoindian projectile points have been documented, including Goshen, Alberta, and Midland styles (Hauck 1998).

The Archaic stage (ca. 8,000 B.P.-1,500 B.P.) is characterized by the dependence on a foraging subsistence, with peoples seasonally exploiting a wide spectrum of plant and animal species in different ecozones. The shift to an Archaic lifeway was marked by the appearance of new projectile point types, and the development of the atlatl, perhaps in response to a need to pursue smaller and faster game (Holmer 1986). In the Uinta Basin, evidence of Early Archaic presence is relatively sparse compared to the subsequent Middle and Late Archaic periods. Early Archaic (ca. 6000-3000 B.C.) sites in the Basin

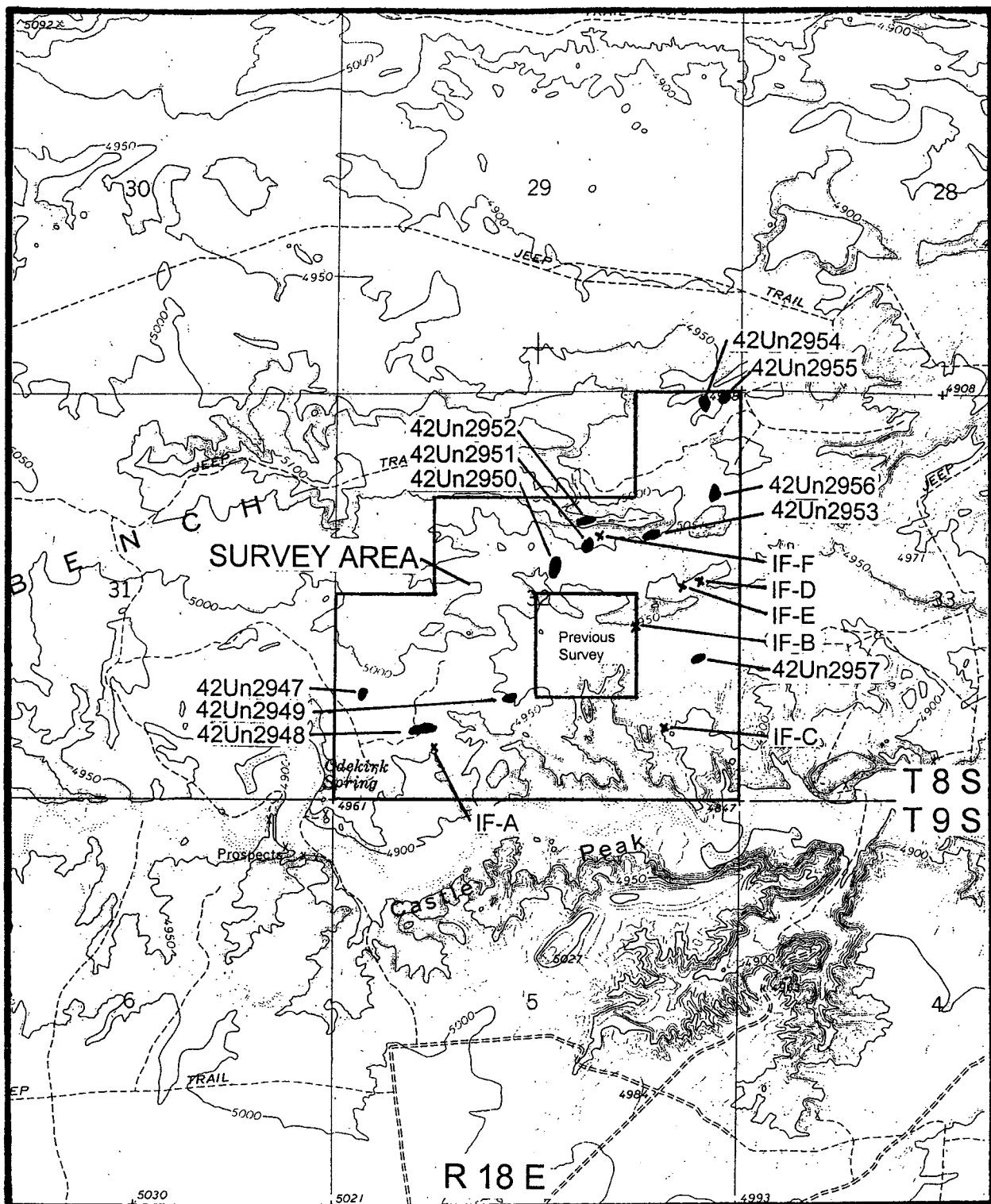


Figure 1. Inventory Area of Inland Resources Odekirk Unit in T 8S, R 18E, Sec. 32 showing Cultural Resources. USGS 7.5' Pariaette Draw SW, UT 1964. Scale 1:24000.

include sand dune sites and rockshelters primarily clustered in the lower White River drainage (Spangler 1995:373). Early Archaic projectile points recovered from Uinta Basin contexts include Pinto Series, Humboldt, Elko Series, Northern Side-notched, Hawken Side-notched, Sudden Side-notched and Rocker Base Side-notched points. Excavated sites in the area with Early Archaic components include Deluge Shelter in Dinosaur National Monument, and open campsites along the Green River and on the Diamond Mountain Plateau (Spangler 1995:374). The Middle Archaic (ca. 3000-500 B.C.) is characterized by improved climatic conditions and an increase in human population on the northern Colorado Plateau. Several stratified Middle Archaic sites have been excavated and dozens of sites have been documented in the Uinta Basin. Middle Archaic sites in the area reflect cultural influences from the Plains, although a Great Basin and/or northern Colorado Plateau influence is represented in the continuation of the Elko Series projectile points. Subsistence data from Middle Archaic components indicate gathering and processing of plants as well as faunal exploitation (e.g., mule deer, antelope, bighorn sheep, cottontail rabbit, muskrat, prairie dog, beaver and birds). The Late Archaic period (ca. 500 B.C.-A.D. 550) in the Uinta Basin is distinguished by the continuation of Elko Series projectile points with the addition of semi-subterranean residential structures at base camps. By about A.D. 100, maize horticulture and Rose Springs arrow points had been added to the Archaic lifeway. In the Uinta Basin, the earliest evidence of Late Archaic architecture occurs at the Cockleburrr Wash Site (42Un1476) where a temporary structure, probably a brush shelter, yielded a date of 316 B.C. (Tucker 1986). The structure was probably associated with seasonal procurement of wild floral resources gathered along Cliff Creek.

The Formative stage (A.D. 500-1300) is recognized in the area as the Uinta Fremont as first defined by Marwitt (1970). This stage is characterized by a reliance upon domesticated corn and squash, increasing sedentism, and in its later periods, substantial habitation structures, pottery, and bow and arrow weapon technology. Based on the evidence from Caldwell Village, Boundary Village, Deluge Shelter, Mantles Cave and others, the temporal range of the Uinta Fremont appears to be from A.D. 650 to 950. This variant is characterized by shallow, saucer-shaped pithouse structures with randomly placed postholes and off-center firepits, some of which were adobe-rimmed. Traits considered unique or predominate to the Uinta Basin include calcite-tempered pottery, two-handled wide-mouth vessels, Utah type metates, the use of gilsonite for pottery repair, settlement on tops of buttes and large-shouldered bifaces (Shields 1970).

Archaeological evidence suggests that Numic peoples appeared in east-central Utah at approximately A.D. 1100 or shortly before the disappearance of Formative-stage peoples (Reed 1994). The archaeological remains of Numic-speaking Utes consist primarily of lithic scatters with low quantities of brown ware ceramics, rock art, and occasional wickiups. The brown ware ceramics appear to be the most reliable indicator of cultural affiliation, as Desert Side-notched and Cottonwood Triangular points were manufactured by other cultural groups beside the Ute (Horn, Reed, and Chandler 1994:130). The Ute appear to have been hunters and gatherers who exploited various fauna and flora resources. According to macrobotanical and faunal data from dated

components, deer, elk, pronghorn, bison, and small game were acquired (Reed 1994:191). Plant materials thought to have been exploited for food include goosefoot, grass seeds, pinyon nuts, juniper berries, squawbush berries and leaves, hackberry seeds and possibly saltbush seeds, knotweed, chokecherry, and chickweed (Reed 1994:191).

SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. The parcel was examined for cultural resources by the archaeologists walking parallel transects spaced no more than 10 m (30 ft) apart. Ground visibility was considered good. Acreage for the project area totals 480 acres, all of which occurs on land administered by the State of Utah, School and Institutional Trust Land Administration (SITLA).

Cultural resources were recorded as archaeological sites or isolated finds of artifacts. Archaeological sites are defined as spatially definable areas with ten or more artifacts and/or features. Sites were documented by the archaeologists walking transects across the site, spaced no more than 3 m (10 ft) apart and marking the locations of cultural materials with pinflags. This procedure allowed clear definition of site boundaries and artifact concentrations. At the completion of the surface inspection, a Brunton compass was employed to point-provenience diagnostic artifacts and other relevant features in reference to the site datum, a steel rebar stamped with a temporary site number. Archaeological sites were plotted on a 7.5' USGS quadrangle, photographed, and documented with site data entered on an Intermountain Antiquities Computer System (IMACS, 1990 version) inventory form (Appendix A). Isolated finds were defined as individual artifacts or light scatters of items lacking sufficient material culture to warrant IMACS forms or to derive interpretation of human behavior in a cultural and temporal context. All isolated artifacts were plotted on a 7.5' USGS map and are described in this report.

INVENTORY RESULTS

The inventory of Inland Resources' Odekirk Unit resulted in the documentation of 11 prehistoric sites (42Un2947 to 42Un2957) and six isolated finds of artifacts (IF-A through IF-F).

Archaeological Sites

Smithsonian Site No.: 42Un2947

Temporary Site No.: MOAC 177-1

Legal Description: SW/NW/SW of Sec. 32, T 8S, R 18E

NRHP Eligibility: Not Eligible

Description: This is a small lithic procurement locality of unknown cultural affiliation, located on a rocky slope above a wash in a small canyon. The site is surficial and measures 54 m by 26 m. Artifacts consist of lithic debitage and five lithic tools. The

source material is derived from the Uinta Formation and includes gray and white mottled semitranslucent chert, and tan, white, gray, and orange mottled opaque chert. Lithic debitage (n=7) is limited to primary and secondary decortication flakes. Tools consist of three test cores, an unprepared core, a utilized flake, and a hammerstone. No cultural features are visible.

Smithsonian Site No.: 42Un2948
Temporary Site No.: MOAC 177-2
Legal Description: NE/SW/SW of Sec. 32, T 8S, R 18E
NRHP Eligibility: Eligible

Description: This is a lithic procurement locality of unknown cultural affiliation, situated on a low-angled slope near a wash in a small canyon. The site extends 100 m east-west by 26 m north-south. Two concentrations of cultural materials occur along the east edge of the site. Artifacts consist of lithic debitage of various chert, quartzite, and siltstone materials (n=46), and 17 lithic tools. The source material is derived from the Uinta Formation. Debitage is dominated by primary decortication flakes; secondary decortication flakes are common. A small quantity of percussion biface thinning flakes and flake fragments are also present. Tools consist of eight unprepared cores, five test cores, two Stage II bifaces, a Stage I biface, and a single-handed mano. No cultural features are observed.

Smithsonian Site No.: 42Un2949
Temporary Site No.: MOAC 177-3
Legal Description: SE/NE/SW of Sec. 32, T 8S, R 18E
NRHP Eligibility: Not Eligible

Description: This is a small lithic scatter of unknown cultural affiliation, located on rocky, residual sediments on a low-angled slope of a ridge. The site measures 36 m by 40 m and contains debitage (n=19) and a single unprepared core. Debitage is dominated by tan opaque chert decortication flakes, and includes white and yellow quartzite decortication flakes, and flake fragments of all three materials. No cultural features are observed.

Smithsonian Site No.: 42Un2950
Temporary Site No.: MOAC 177-4
Legal Description: SW/SW/NE of Sec. 32, T 8S, R 18E
NRHP Eligibility: Eligible

Description: This is a lithic procurement locality of unknown cultural affiliation, situated on a low-angled slope above a wash near the edge of a canyon. The source material is derived from the Uinta Formation. Artifacts consist of lithic debitage (n=42) and chipped stone tools (n=28). Debitage includes equal numbers of secondary decortication flakes and percussion biface thinning flakes. Primary decortication flakes are common, and a few flake fragments are also present. Tools consist of 27 cores and a Stage II biface. No cultural features are visible.

Smithsonian Site No.: 42Un2951
Temporary Site No.: MOAC 177-5
Legal Description: NW/SW/NE of Sec. 32, T 8S, R 18E
NRHP Eligibility: Not Eligible

Description: This is a small, dispersed lithic procurement locality of unknown cultural affiliation, situated at the edge of a bench mid-way up a ridge. The source material is derived from the Uinta Formation. Artifacts consist of two tan and gray mottled opaque chert primary decortication flakes, and eight cores. The cores are of tan and gray mottled opaque chert, and tan opaque chert, and include four unprepared cores and four test cores. No cultural features are visible.

Smithsonian Site No.: 42Un2952
Temporary Site No.: MOAC 177-6
Legal Description: NW/SW/NE of Sec. 32, T 8S, R 18E
NRHP Eligibility: Not Eligible

Description: This is a small, dispersed lithic procurement locality of unknown cultural affiliation located on a narrow, rocky ridge top. Cultural materials are limited to six primary decortication flakes, two test cores, and three unprepared cores. The source material is derived from the Uinta Formation and includes tan, white, gray, and orange mottled opaque chert. No cultural features are observed.

Smithsonian Site No.: 42Un2953
Temporary Site No.: MOAC 177-7
Legal Description: NW/SE/NE of Sec. 32, T 8S, R 18E
NRHP Eligibility: Not Eligible

Description: This site is a small, low-density lithic procurement locality of unknown cultural affiliation located on a bench mid-way up a ridge. Artifacts include lithic debitage, along with an unprepared core, a test core, and a Stage II biface. Debitage includes primary decortication flakes (n=11), and secondary decortication flakes (n=3), all of tan, gray, white, and orange mottled opaque chert. The source material is derived from the Uinta Formation. No cultural features are visible.

Smithsonian Site No.: 42Un2954
Temporary Site No.: MOAC 177-9
Legal Description: NE/NE/NE of Sec. 32, T 8S, R 18E
NRHP Eligibility: Eligible

Description: This is a lithic procurement locality of unknown cultural affiliation located on a series of low hills divided by small drainages. The site extends 74 m north-south by 34 m east-west. Artifacts consist of debitage (n=25), five unprepared cores, four test cores, and two scrapers. Debitage is primarily dominated by decortication flakes; secondary decortication flakes are also present. Material is primarily tan, white, gray, and orange mottled opaque chert, along with a small quantity of tan chert, white quartzite, and white and yellow quartzite. The source material is derived from the Uinta Formation. No cultural features are visible.

Smithsonian Site No.: 42Un2955
Temporary Site No.: MOAC 177-10
Legal Description: NE/NE/NE of Sec. 32, T 8S, R 18E
NRHP Eligibility: Not Eligible

Description: This is a small lithic procurement locality of unknown cultural affiliation situated on a low-angled, rocky slope below a ridge. Cultural materials consist of lithic debitage (n=14) and four lithic tools. Debitage is dominated by secondary decortication flakes, with primary decortication flakes also present. Lithic tools include three unprepared cores, and one test core. Materials include tan, gray, white, and orange mottled opaque chert, gray opaque chert, and tan opaque chert. The source material is derived from the Uinta formation. No cultural features are visible.

Smithsonian Site No.: 42Un2956
Temporary Site No.: MOAC 177-11
Legal Description: NE/SE/NE of Sec. 32, T 8S, R 18E
NRHP Eligibility: Not Eligible

Description: This is a small lithic procurement locality of unknown cultural affiliation situated on a rocky slope below a ridge. The site measures 59 m north-south by 37 m east-west. Cultural materials consist of lithic debitage (n=18), and three lithic tools. Debitage is dominated by decortication flakes of tan, white, gray, and orange mottled opaque chert, with a lesser quantity of decortication flakes of other chert and quartzite materials. Lithic tools include two unprepared cores and a test core, all of tan, white, gray, and orange mottled opaque chert. The source material is derived from the Uinta Formation. No cultural features are observed.

Smithsonian Site No.: 42Un2957
Temporary Site No.: MOAC 177-8
Legal Description: SE/NE/SE of Sec. 32, T 8S, R 18E
Jurisdiction: State of Utah, SITLA
NRHP Eligibility: Not Eligible

Description: This is a lithic scatter of unknown cultural affiliation located on a low-angled rocky slope. Artifacts consist of lithic debitage and one lithic tool, found mainly in a concentration (Concentration 1). The concentration contains yellow quartzite primary decortication flakes (n=11), and secondary decortication flakes of the same material (n=8). Outside of the concentration is a dark red quartzite unprepared core associated with three primary decortication flakes of the same material. No cultural features are visible.

Isolated Finds of Artifacts

Isolated Find A (IF-A) is located in the NE/SW/SW of Sec. 32, T 8S, R 18E; UTM 591983E/4435758N. It is an aqua-colored glass whiskey bottle.

Isolated Find B (IF-B) is located in the NE/NW/SE of Sec. 32, T 8S, R 18E; UTM 592750E/4436254N. It is a white semitranslucent chert Stage III biface that exhibits slight edge-wear, and a retouched tip (5.3x2.7x1cm).

Isolated Find C (IF-C) is located in the NW/SE/SE of Sec. 32, T 8S, R 18E; UTM 592885E/4435839N. It consists of a tan opaque chert test core with one flake detached from a narrow margin (7.6x6.8x2.2cm), a white opaque chert secondary decortication flake, and a tan, white, gray, and orange mottled opaque chert primary decortication flake.

Isolated Find D (IF-D) is located in the SE/SE/NE of Sec. 32, T 8S, R 18E; UTM 593002E/4436433N. It includes a white semitranslucent chert hammerstone with battering on two poles and along one margin (6.5x5x5cm), and a tan opaque chert secondary decortication flake.

Isolated Find E (IF-E) is located in the SW/SE/NE of Sec. 32, T 8S, R 18E; UTM 592920E/4436408N. It includes a tan, white, gray, and orange mottled opaque chert core with 9+ flakes removed from narrow margins (6.5x4.3x2cm), three tan, white, gray, and orange mottled opaque chert primary decortication flakes, a pink quartzite secondary decortication flake, and a white semitranslucent chert primary decortication flake.

Isolated Find F (IF-F) is located in the NE/SW/NE of Sec. 32, T 8S, R 18E; UTM 592614E/4436603N. It consists of a tan opaque chert unprepared core with 7 flakes removed from narrow margins (6.2x4x2.8cm), a tan opaque chert cobble test core with 5 flakes detached from wide margins (10x6x3.4cm), two tan opaque chert secondary decortication flakes, and a tan opaque chert primary decortication flake.

NATIONAL REGISTER OF HISTORIC PLACES EVALUATION

The National Register Criteria for Evaluation of Significance and procedures for nominating cultural resources to the National Register of Historic Places (NRHP) are outlined in 36 CFR 60.4 as follows:

The quality of significance in American history, architecture, archaeology, and culture is present in districts, sites, buildings, structures, and objects of State and local importance that possess integrity of location, design, setting, material, workmanship, feeling, and association, and that they:

- a)...are associated with events that have made a significant contribution to the broad patterns of our history; or
- b)...are associated with the lives of persons significant to our past; or
- c)...embody the distinctive characteristics of a type, period, or method of construction; or that represents the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- d)...have yielded or may be likely to yield information important in prehistory or history.

The inventory of Inland Resources' Odekirk Unit resulted in the documentation of 11 prehistoric sites (42Un2947 to 42Un2957), all of unknown temporal affiliation. The majority of these sites (n=9) are lithic procurement localities at which raw materials from the Uinta Formation were exploited. Two of the sites are classified as lithic scatters containing a low number of debitage and chipped stone tools. Three of the lithic procurement sites (42Un2948, 42Un2950 and 42Un2954) are recommended eligible to the NRHP under criterion D. These sites, although surficial, exhibit a variety of tools (cores, bifaces, hammerstones, and a mano) as well as spatial patterning of artifacts. Additional investigations at these sites is likely to contribute to the prehistoric research domains of the area.

Eight of the prehistoric sites (42Un2947, 42Un2949, 42Un2951, 42Un2952, 42Un2953, 42Un2955, 42Un2956, and 42Un2957) are evaluated as not eligible for inclusion to the NRHP. They are limited activity sites lacking temporal indicators, spatial patterning and features, and hence fail to possess additional information relevant to the prehistoric research domains of the area.

MANAGEMENT RECOMMENDATIONS

The inventory of Inland Resources' Odekirk Unit resulted in the documentation of three prehistoric sites (42Un2948, 42Un2950 and 42Un2954) that are considered eligible to the NRHP. It is recommended that these sites be avoided by the undertaking. Based on the adherence to this recommendation, a determination of "no historic properties affected" pursuant to Section 106, CFR 800 is proposed for this project.

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WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 01/17/2002

API NO. ASSIGNED: 43-047-34462

WELL NAME: SUNDANCE 12-32-8-18

OPERATOR: INLAND PRODUCTION (N5160)

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWSW 32 080S 180E

SURFACE: 1980 FSL 0660 FWL

BOTTOM: 1980 FSL 0660 FWL

UINTAH

8 MILE FLAT NORTH (590)

LEASE TYPE: 3 - State

LEASE NUMBER: ML-22058

SURFACE OWNER: 3 - State

PROPOSED FORMATION: GRRV

INSPECT LOCATN BY: / /

| Tech Review | Initials | Date |
|-------------|------------|----------------|
| Engineering | <u>DAS</u> | <u>3/13/02</u> |
| Geology | | |
| Surface | | |

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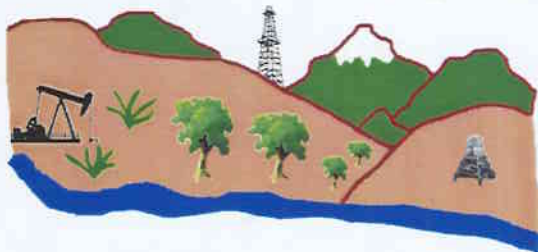
☒ Plat
☒ Bond: Fed[] Ind[] Sta[3] Fee[]
(No. 4471291)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. MUNICIPAL)
☒ RDCC Review (Y/N)
(Date: _____)
☒ Fee Surf Agreement (Y/N)

LOCATION AND SITING:

☒ R649-2-3. Unit _____
☒ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
☒ R649-3-3. Exception
☒ Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
☒ R649-3-11. Directional Drill

COMMENTS: Need presite. (02-06-02)

STIPULATIONS: 1-Statement of basis.
2-Spacing stip.



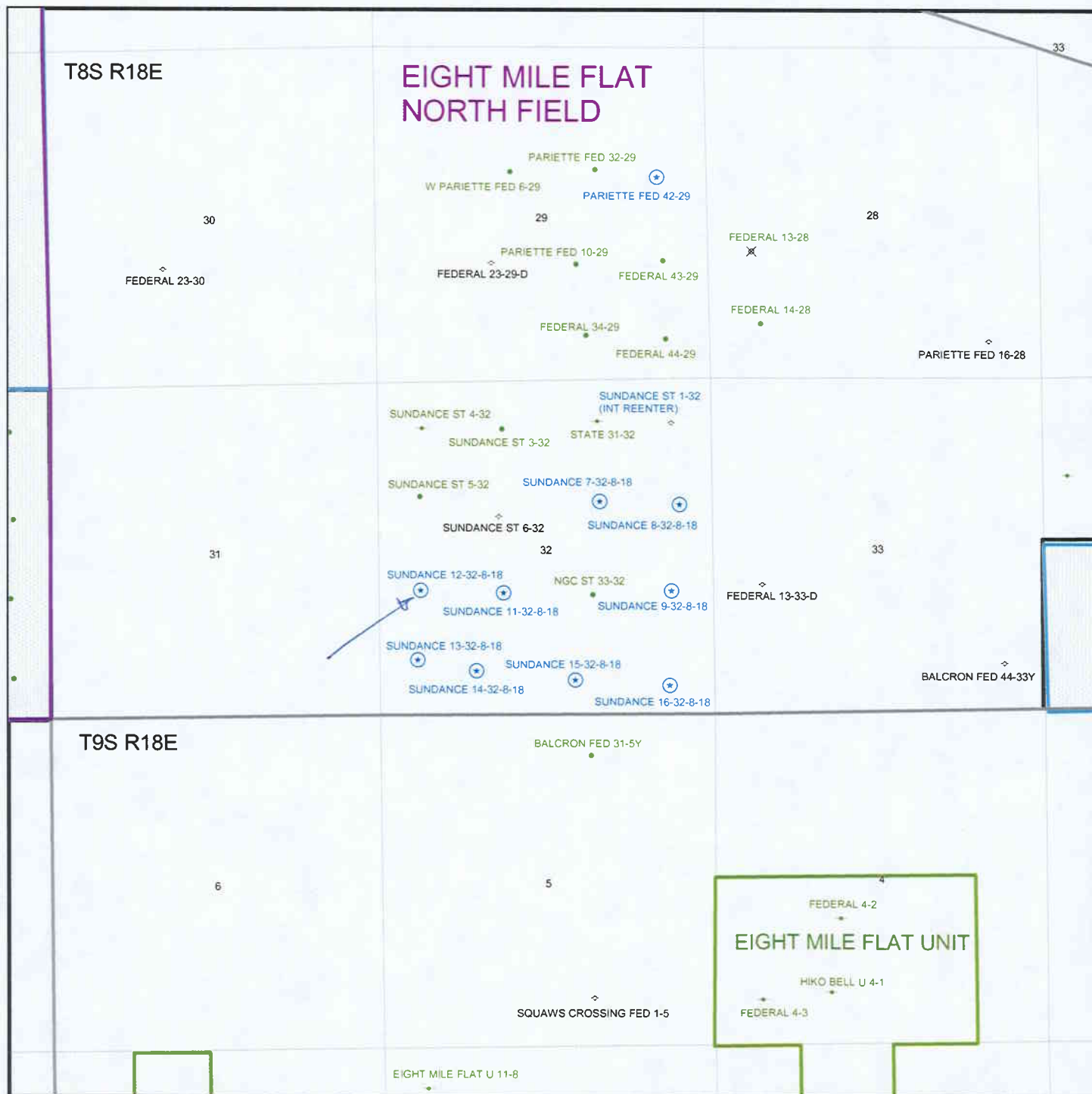
Utah Oil Gas and Mining

OPERATOR: INLAND PROD CO (N5160)

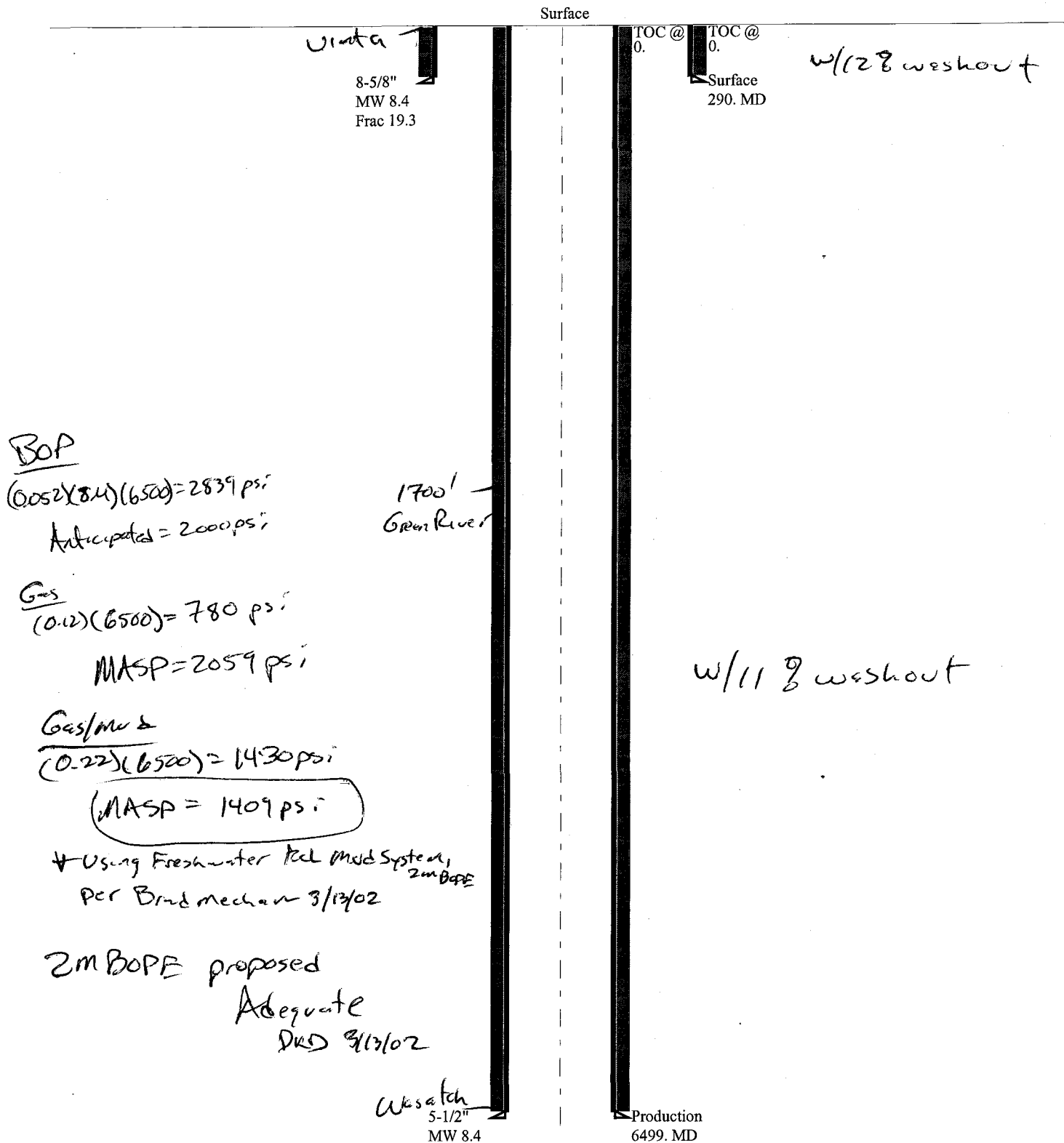
SEC. 32, T8S, R18E

FIELD: EIGHT MILE FLAT NORTH (590)

COUNTY: UINTAH SPACING: R649-3-2/GEN ST



Casing Schematic



**DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS**

Operator Name: INLAND PRODUCTION COMPANY
Well Name & Number: SUNDANCE 12-32-8-18
API Number: 43-047-34462
Location: 1/4,1/4 NW/SW Sec. 32 T. 8S R. 18E

Geology/Ground Water:

Inland has proposed setting 290' of surface casing at this location. The depth to the base of the moderately saline ground water is estimated to be at around 500'. A search of Division of Water Rights records indicates that no water wells are located within a 10,000 foot radius of the center of Section 32 . The surface formation at this location is the Uinta Formation. The Uinta Formation is made up of interbedded sandstones and shales. The Sandstones are of a discontinuous nature and probably don't represent a significant aquifer. The existing casing should adequately protect any useable ground water.

Reviewer: Brad Hill
Date: 02/11/2002

Surface:

The pre-drill investigation of the surface was performed on 2/06/2002. Surface owner and mineral owner is State of Utah. SITLA and DWR were notified of this investigation on 1/31/2002. Miles Hanberg representing the DWR was present. This site appears to be the best site for a location in the immediate area. Because of numerous sandstone outcroppings in the area, blasting will undoubtedly be necessary to construct the reserve pit.

Reviewer: David W. Hackford
Date: 2/7/2002

Conditions of Approval/Application for Permit to Drill:

1. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: INLAND PRODUCTION COMPANY
WELL NAME & NUMBER: SUNDANCE 12-32-8-18
API NUMBER: 43-047-34462
LEASE: ML-22058 **FIELD/UNIT:** MONUMENT BUTTE
LOCATION: 1/4, 1/4 NW/SW SEC: 32 TWP: 8S RNG: 18E
660' F W L 1980' F S L
LEGAL WELL SITING: Statewide 400 foot window in center of 40
acre tract and no closer than 920 feet from
another well.
GPS COORD (UTM): 12591773E 4436164N
SURFACE OWNER: STATE OF UTAH

PARTICIPANTS:

BRAD MECHAM, (INLAND): MILES HANBERG, (DWR): DAVID HACKFORD,
(DOGM).

REGIONAL/LOCAL SETTING & TOPOGRAPHY:

SITE IS 21.4 MILES SOUTHEAST OF MYTON, UTAH. THE SITE IS ON THE
SOUTH SIDE OF AN EAST TO WEST RUNNING RIDGE. THE TOP OF THE
RIDGE IS 0.3 MILES TO THE NORTH. DRAINAGE IS TO THE SOUTH.

SURFACE USE PLAN:

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING.
HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WOULD BE 205' BY 212'
AND ACCESS ROAD WOULD BE 1200 FEET.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE
ATTACHED MAP FROM GIS DATABASE

LOCATION OF PRODUCTION FACILITIES AND PIPELINES:
ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED
AFTER DRILLING WELL. ANY PIPELINES NECESSARY FOR THIS WELL
WILL FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL
WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS
FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL
BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE
AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH
WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED
LAND FILL.

ENVIRONMENTAL PARAMETERS:

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: NATIVE GRASSES, SHADSCALE, GREASEWOOD, RABBIT
BRUSH: RODENTS, COYOTES, SONGBIRDS, RAPTORS, PRONGHORN.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL
EROSION. SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND
LOCATION CONSTRUCTION SHOULDN'T CAUSE ANY INCREASE IN
STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

RESERVE PIT:

CHARACTERISTICS: 80' BY 40' AND EIGHT FEET DEEP.

LINER REQUIREMENTS (Site Ranking Form attached):
A 12 MIL LINER WILL BE REQUIRED.

SURFACE RESTORATION/RECLAMATION PLAN:

AS PER S.I.T.L.A.

SURFACE AGREEMENT: AS PER S.I.T.L.A.

CULTURAL RESOURCES/ARCHAEOLOGY: SITE WAS INSPECTED BY MONTGOMERY
ARCHAEOLOGICAL CONSULTANTS. A REPORT OF THIS INVESTIGATION
WILL BE PLACED ON FILE.

OTHER OBSERVATIONS/COMMENTS:

THE PRE-DRILL INVESTIGATION TOOK PLACE ON A COLD, CLEAR DAY.
THE GROUND WAS PARTIALLY COVERED WITH SNOW.

ATTACHMENTS:

PHOTOS OF SITE WILL BE PLACED ON FILE.

DAVID W. HACKFORD
DOGM REPRESENTATIVE

2/06/02--9:45 AM
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score
For Reserve and On-site Pit Liner Requirements**

| <u>Site-Specific Factors</u> | <u>Ranking</u> | <u>Site Ranking</u> |
|--|----------------|---------------------|
| Distance to Groundwater (feet) | | |
| >200 | 0 | |
| 100 to 200 | 5 | |
| 75 to 100 | 10 | |
| 25 to 75 | 15 | |
| <25 or recharge area | 20 | <u>5</u> |
| Distance to Surf. Water (feet) | | |
| >1000 | 0 | |
| 300 to 1000 | 2 | |
| 200 to 300 | 10 | |
| 100 to 200 | 15 | |
| < 100 | 20 | <u>0</u> |
| Distance to Nearest Municipal Well (feet) | | |
| >5280 | 0 | |
| 1320 to 5280 | 5 | |
| 500 to 1320 | 10 | |
| <500 | 15 | <u>0</u> |
| Distance to Other Wells (feet) | | |
| >1320 | 0 | |
| 300 to 1320 | 10 | |
| <300 | 20 | <u>0</u> |
| Native Soil Type | | |
| Low permeability | 0 | |
| Mod. permeability | 10 | |
| High permeability | 20 | <u>20</u> |
| Fluid Type | | |
| Air/mist | 0 | |
| Fresh Water | 5 | |
| TDS >5000 and <10000 | 15 | |
| TDS >10000 or Oil Base | 20 | |
| Mud Fluid containing high levels of hazardous constituents | | <u>5</u> |
| Drill Cuttings | | |
| Normal Rock | 0 | |
| Salt or detrimental | 10 | <u>0</u> |
| Annual Precipitation (inches) | | |
| <10 | 0 | |
| 10 to 20 | 5 | |
| >20 | 10 | <u>0</u> |
| Affected Populations | | |
| <10 | 0 | |
| 10 to 30 | 6 | |
| 30 to 50 | 8 | |
| >50 | 10 | <u>0</u> |
| Presence of Nearby Utility | | |
| Conduits | | |
| Not Present | 0 | |
| Unknown | 10 | |
| Present | 15 | <u>0</u> |
| Final Score | | <u>30</u> |



UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED MON, FEB 11, 2002, 10:55 AM
PLOT SHOWS LOCATION OF 0 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT
FEET, FEET OF THE CT CORNER,
SECTION 32 TOWNSHIP 8S RANGE 18E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET

N O R T H

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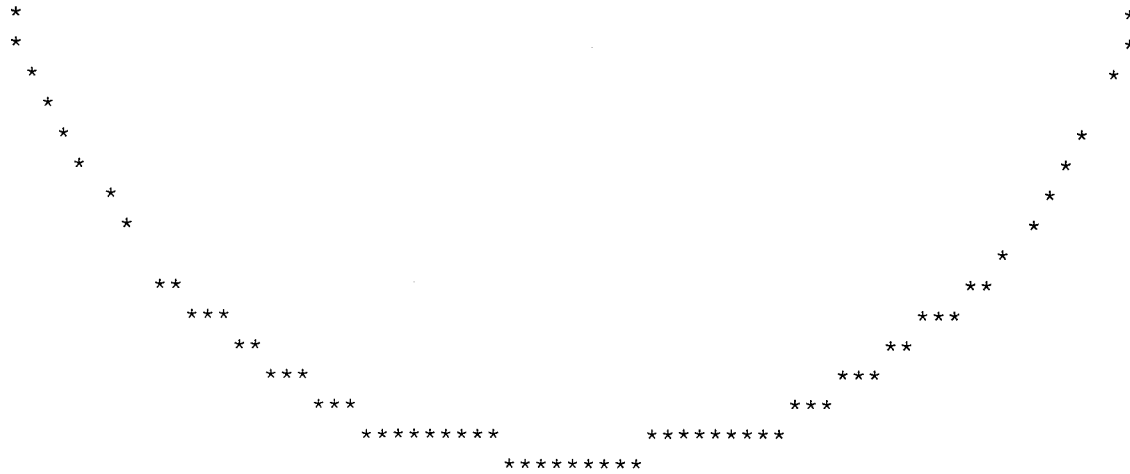
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January 30, 2002

State of Utah
Division of Oil, Gas & Mining
Attn: Brad Hill
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Topographic Map C for Section 32 APD's.

Dear Brad:

Enclosed find a Topographic Map C for all of the section 32 APD's that have been previously submitted. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier
Permit Clerk

mc
enclosures

RECEIVED

FEB 01 2002

**DIVISION OF
OIL, GAS AND MINING**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

| APPLICATION FOR PERMIT TO DRILL | | | | 5. MINERAL LEASE NO: ML-22058 | 6. SURFACE: State |
|---|--|--|--|--|----------------------|
| 1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> | | | | 7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A | |
| B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | | | | 8. UNIT or CA AGREEMENT NAME: N/A | |
| 2. NAME OF OPERATOR: Inland Production Company | | | | 9. WELL NAME and NUMBER: Sundance 12-32-8-18 | |
| 3. ADDRESS OF OPERATOR: Route #3 Box 3630 CITY Myton STATE UT ZIP 84052 | | | | PHONE NUMBER: (435) 646-3721 | |
| 4. LOCATION OF WELL (FOOTAGES) AT SURFACE: NW/SW 1980' FSL 660' FWL AT PROPOSED PRODUCING ZONE: | | | | 10. FIELD AND POOL, OR WILDCAT: Monument Butte | |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 21.4 miles southeast of Myton, UT | | | | 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 32 T8S 18E | |
| 15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) Approximately 660' f/lse line | | | | 12. COUNTY: Uintah | |
| 16. NUMBER OF ACRES IN LEASE: 640 acres | | | | 13. STATE: UTAH | |
| 17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 | | | | 18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) Approximately 1155' | |
| 19. PROPOSED DEPTH: 6,500 | | | | 20. BOND DESCRIPTION: Hartford Accident #4471291 | |
| 21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5014.9 GR | | | | 22. APPROXIMATE DATE WORK WILL START: 4/1/2002 | |
| 23. ESTIMATED DURATION: 7 days | | | | | |

| 24. PROPOSED CASING AND CEMENTING PROGRAM | | | | | | |
|---|---|------|-------|---------------|---|----------|
| SIZE OF HOLE | CASING SIZE, GRADE, AND WEIGHT PER FOOT | | | SETTING DEPTH | CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT | |
| 12 1/4 | 8 5/8 | J-55 | 24# | 290 | Class G Cement 155sx +/-10% 1.17 Cu Ft/sk | 15.8 PPG |
| 7 7/8 | 5 1/2 | J-55 | 15.5# | 6,500 | Premium Lite II 275sx lead 3.43 Cu Ft/sk | 11.0 PPG |
| | | | | | Class G Cement 450sx tail 1.59 Cu Ft/sk | 14.2 PPG |
| | | | | | | |
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RECEIVED

FEB 1 2002

| 25. ATTACHMENTS | |
|---|--|
| VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES: | |
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

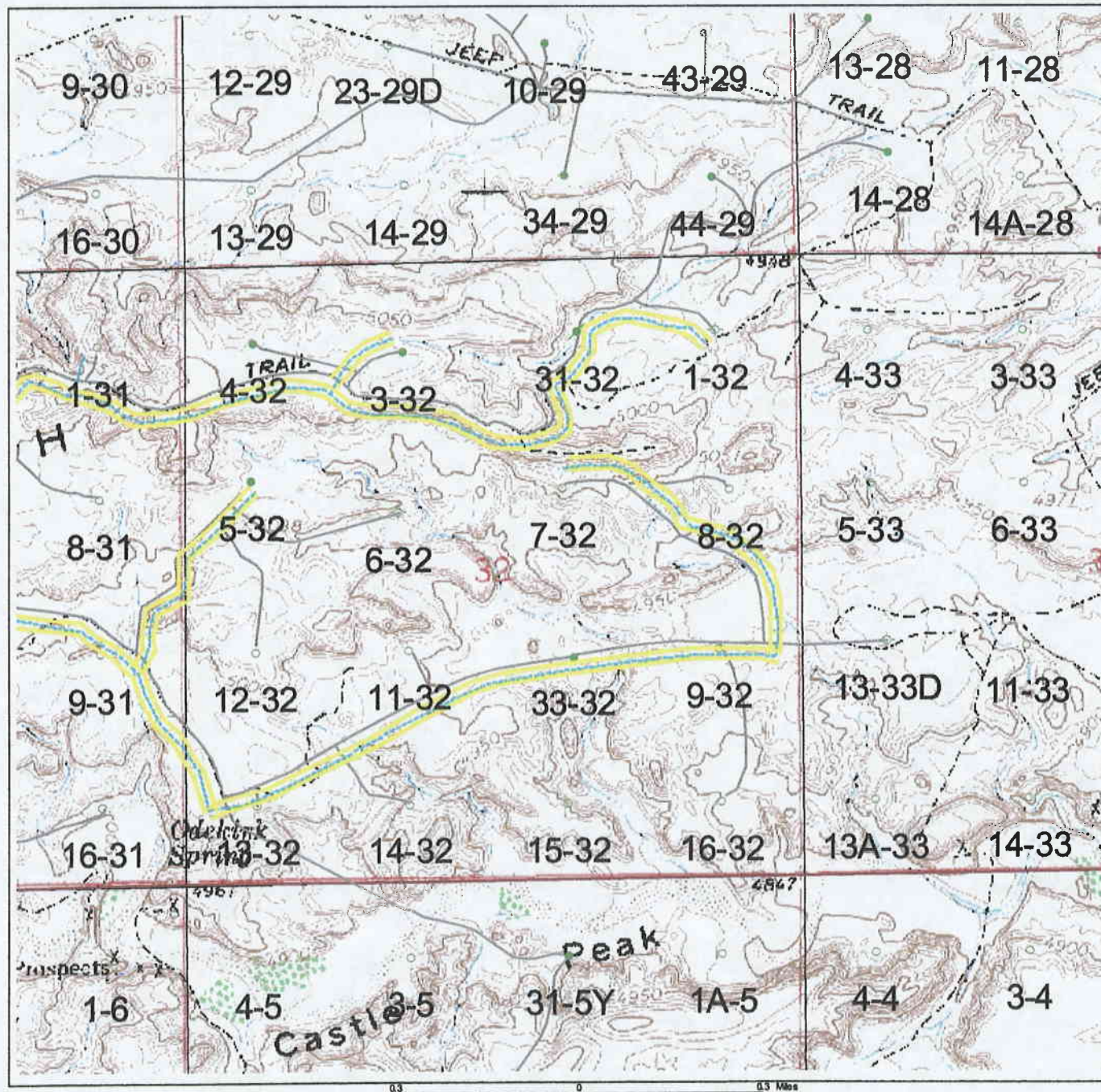
DIVISION OF
OIL, GAS AND MINING

NAME (PLEASE PRINT) Mandie Crozier TITLE Permit Clerk
SIGNATURE *Mandie Crozier* DATE 1/15/02

(This space for State use only)

API NUMBER ASSIGNED: _____

APPROVAL: _____



- Water Taps
- 2001 Injection Conversion Program
- Waterline ROW**
- Pending Approval
- ROW Approved
- Water Injection Permits**
- Pending Approval
- Permit Approved
- Water Source 6 Inch
- Water Source 4 Inch
- Water 4 Inch - High Pressure
- Water 4 Inch Poly
- Water High Pressure 2 to 3 Inch
- Proposed High Pressure Water
- Injection Stations
- Pump Stations
- Roads (Digitized)**
- Paved
- Dirt
- Proposed Two Track
- Private



Topographic Map C
T8S-R18E-32



4104 E. River Road, Suite 200
Salt Lake City, Utah 84112
Phone: (801) 534-1000

Water Pipeline Map

UTAH BASIN, UTAH

Duchesne & Uintah Counties, Utah

Page 1 of 1

January 24, 2002

Well name:

02-02 Inland Sundance 12-32-8-18

Operator: Inland Production Company

String type: Surface

Project ID:

43-047-34462

Location: Uintah County

Design parameters:**Collapse**

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 69 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 290 ft

Cement top:

Surface

Burst

Max anticipated surface pressure: 0 psi
Internal gradient: 0.436 psi/ft
Calculated BHP 127 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 253 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 6,500 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,836 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 290 ft
Injection pressure 290 psi

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity (ft³) |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-------------------------|
| 1 | 290 | 8.625 | 24.00 | J-55 | ST&C | 290 | 290 | 7.972 | 14 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (Kips) | Tension Strength (Kips) | Tension Design Factor |
| 1 | 127 | 1370 | 10.83 | 127 | 2950 | 23.31 | 6 | 244 | 40.12 J |

Prepared by: Dustin K. Doucet
Utah Dept. of Natural Resources

Phone: 801-538-5281
FAX: 801-359-3940

Date: February 14, 2002
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 290 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

02-02 Inland Sundance 12-32-8-18

Operator: Inland Production Company

String type: Production

Project ID:

43-047-34462

Location: Uintah County

Design parameters:**Collapse**

Mud weight: 8,400 ppg

Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No

Surface temperature: 65 °F

Bottom hole temperature: 156 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 300 ft

Cement top: 0 ft

Burst

Max anticipated surface pressure:

0 psi

Internal gradient: 0.436 psi/ft

Calculated BHP 2,836 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Non-directional string.

Tension is based on air weight.

Neutral point: 5,673 ft

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity (ft³) |
|------------|---------------------------|-------------------------------|-------------------------------|------------------------|----------------------------|----------------------------|---------------------------|-------------------------------|-------------------------------|
| 1 | 6499 | 5.5 | 15.50 | J-55 | ST&C | 6499 | 6499 | 4.825 | 203.7 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (Kips) | Tension Strength (Kips) | Tension Design Factor |
| 1 | 2836 | 4040 | 1.42 | 2836 | 4810 | 1.70 | 101 | 202 | 2.01 J |

Prepared by: Dustin K. Doucet
Utah Dept. of Natural ResourcesPhone: 801-538-5281
FAX: 801-359-3940Date: February 14, 2002
Salt Lake City, Utah**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 6499 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

003



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

March 14, 2002

Inland Production Company
Route 3 Box 3630
Myton UT 84052

Re: Sundance 12-32-8-18 Well, 1980' FSL, 660' FWL, NW SW, Sec. 32, T. 8 South,
R. 18 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34462.

Sincerely,

A handwritten signature in black ink, appearing to read 'John R. Baza'.

John R. Baza
Associate Director

er
Enclosures

cc: Uintah County Assessor
SITLA

Operator: Inland Production Company
Well Name & Number Sundance 12-32-8-18
API Number: 43-047-34462
Lease: ML 22058

Location: NW SW Sec. 32 T. 8 South R. 18 East

Conditions of Approval

1. **General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. **SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN" form for such proposals.

OIL ☐ GAS ☐
WELL ☐ WELL ☐ OTHER ☒

2. NAME OF OPERATOR
INLAND PRODUCTION COMPANY

3. ADDRESS AND TELEPHONE NUMBER
**Rt. 3 Box 3630, Myton Utah 84052
435-646-3721**

4. LOCATION OF WELL

Footages **1980 FSL 660 FWL**

QQ, SEC, T, R, M: **NW/SW Section 32, T8S R18E**

5. LEASE DESIGNATION AND SERIAL NO.
ML-22058

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME
N/A

7. UNIT AGREEMENT NAME
NA

8. WELL NAME and NUMBER
SUNDANCE 12-32-8-18

9. API NUMBER
43-047-34462

10. FIELD AND POOL, OR WILDCAT
8 MILE FLAT NORTH

COUNTY **UINTAH**
STATE **UTAH**

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

NOTICE OF INTENT:

(Submit in Duplicate)

- ☐ ABANDON ☐ NEW CONSTRUCTION
☐ REPAIR CASING ☐ PULL OR ALTER CASING
☐ CHANGE OF PLANS ☐ RECOMPLETE
☐ CONVERT TO INJECTION ☐ REPERFORATE
☐ FRACTURE TREAT OR ACIDIZE ☐ VENT OR FLARE
☐ MULTIPLE COMPLETION ☐ WATER SHUT OFF
☒ OTHER Notice of Intent

SUBSEQUENT REPORT OF:

(Submit Original Form Only)

- ☐ ABANDON* ☐ NEW CONSTRUCTION
☐ REPAIR CASING ☐ PULL OR ALTER CASING
☐ CHANGE OF PLANS ☐ RECOMPLETE
☐ CONVERT TO INJECTION ☐ REPERFORATE
☐ FRACTURE TREAT OR ACIDIZE ☐ VENT OR FLARE
☒ OTHER **Permit Extension**

DATE WORK COMPLETED _____

Report results of Multiple Completion and Recompletions to different
reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND
LOG form.

*Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)

Inland Production Company requests to extend the Permit to Drill this well for one year.

RECEIVED**MAR 06 2003**

DIV. OF OIL, GAS & MINING

13.

NAME & SIGNATURE:

Mandie Crozier
Mandie Crozier

TITLE

Permit Clerk

DATE

3/5/2003

(This space for State use only)

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: **03-06-03**By: *[Signature]*

COPY SENT TO OPERATOR
Date: **03-02-03**
Initials: **CHD**

DIVISION OF OIL, GAS AND MINING**SPUDDING INFORMATION**Name of Company: INLAND PRODUCTION COMPANYWell Name: SUNDANCE 12-32-8-18Api No: 43-047-34462 Lease Type: STATESection 32 Township 08S Range 18E County UINTAHDrilling Contractor LEON ROSS RIG # 15**SPUDDED:**Date 01/23/04Time 9:30 AMHow DRY**Drilling will commence:** _____Reported by BOYD MITCHELL

Telephone # _____

Date 01/23/2004 Signed CHD

006

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DIV. OF OIL, GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR: INLAND PRODUCTION COMPANY
ADDRESS: RT. 8 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N5160

| ACTION CODE | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER | WELL NAME | WELL LOCATION | | | | | SPUD DATE | EFFECTIVE DATE |
|------------------------------|-----------------------|-------------------|--------------|---------------------------|---------------|----|----|-----|----------|------------------|-------------------|
| | | | | | QQ | SC | TP | RG | COUNTY | | |
| A | 99999 | 14028 | 43-047-34466 | Sundance State 16-32-8-18 | SE/SE | 32 | 8S | 18E | Uintah | January 16, 2004 | 2/9/04 |
| WELL 1 COMMENTS: <i>GRRV</i> | | | | | | | | | | | |
| A | 99999 | 14029 | 43-013-32403 | Ashley Federal 2-15-9-15 | NW/NE | 15 | 9S | 15E | Duchesne | January 20, 2004 | 2/9/04 |
| WELL 2 COMMENTS: <i>GRRV</i> | | | | | | | | | | | |
| A | 99999 | 14030 | 43-013-32404 | Ashley Federal 6-15-9-15 | SE/NW | 15 | 9S | 15E | Duchesne | January 22, 2004 | 2/9/04 |
| WELL 3 COMMENTS: <i>GRRV</i> | | | | | | | | | | | |
| A | 99999 | 14031 | 43-047-34462 | Sundance State 12-32-8-18 | NW/SW | 32 | 8S | 18E | Uintah | January 23, 2004 | 2/9/04 |
| WELL 4 COMMENTS: <i>GRRV</i> | | | | | | | | | | | |
| A | 99999 | 14032 | 43-013-32406 | Ashley Federal 8-15-9-15 | SE/NE | 15 | 9S | 15E | Duchesne | January 27, 2004 | 2/9/04 |
| WELL 5 COMMENTS: <i>GRRV</i> | | | | | | | | | | | |

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Kebbie S. Jones
Signature

Kebbie S. Jones

Production Clerk
Title

January 30, 2004
Date

007

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

| | | | |
|--|--|--|------------------------|
| 1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.) | | 5. LEASE DESIGNATION AND SERIAL NO. ML-22058 | |
| 2. NAME OF OPERATOR INLAND PRODUCTION COMPANY | | 6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A | |
| 3. ADDRESS OF OPERATOR Rt. 3 Box 3630, Myton Utah 84052 435-646-3721 | | 7. UNIT AGREEMENT NAME N/A | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW/SW Section 32, T8S R18E 1980 FSL 660 FWL | | 8. FARM OR LEASE NAME SUNDANCE 12-32-8-18 | |
| 14. API NUMBER 43-047-34462 | | 9. WELL NO. SUNDANCE 12-32-8-18 | |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5015 GR | | 10. FIELD AND POOL, OR WILDCAT 8 MILE FLAT NORTH | |
| | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/SW Section 32, T8S R18E | |
| | | 12. COUNTY OR PARISH UINTAH | 13. STATE UT |

| | | | |
|---|---|--|--|
| 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data | | | |
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> | FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | <input type="checkbox"/> | (OTHER) <input checked="" type="checkbox"/> | Weekly Status report |
| (OTHER) <input type="checkbox"/> | <input type="checkbox"/> | (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) | |

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On 2-1-04. MIRU Eagle #1. Set equipment. Pressure test Bop's, Kelly, & TIW to 2,000 psi. Test 85/8" csgn to 1,500 psi. Vernal BLM office was notified of test. PU BHA and tag cement @ 260'. Drill out cement & shoe. Continue to drill a 77/8" hole with fresh water to a depth of 6200'. Lay down drill string, BHA. Open hole log from TD to surface. PU & MU guide shoe, 1 jt 51/2" J-55 15.5 # csgn. Float collar, & 144 Jt's 51/2" J-55 15.5# csgn. Set @ 6183'/KB. Cement with 300 sks Prem Lite II w/ 3% KCL, 8 % Gel, 5#"s sk CSE, 3#"s sk Kolseal, .8% Sms, 1/2# sks Celloflake. Mixed @ 11.0 ppg, >3.42 yld. Followed by 400 sks 50/50 Poz w/ 3% KCL, 2% Gel, .05% Static free, 1/2# sk Celloflake. Mixed @ 14.4 ppg, > 1.24 yld. Returned 7 bbbbs cement to pit. Nippel down BOP's. Drop slips @ 70,000 # 's tension. Clean pit's & release rig on 2-08-04

18. I hereby certify that the foregoing is true and correct

SIGNED

Pat Nisew

TITLE

Drilling Foreman

DATE 2-8-04

cc: BLM

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

* See Instructions On Reverse Side

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FEB 10 2004
DIV. OF OIL, GAS & MINING

008

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML22058

SUNDRY NOTICES AND REPORTS ON WELLS

not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, c
drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

| | | |
|---|--|---|
| 1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 2. NAME OF OPERATOR: Inland Production Company | | 7. UNIT or CA AGREEMENT NAME: SUNDANCE AREA |
| 3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 | | 8. WELL NAME and NUMBER: SUNDANCE STATE 12-32-8-18 |
| 4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1980 FSL 660 FWL | | 9. API NUMBER: 4304734462 |
| OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NW/SW, 32, T8S, R18E | | 10. FIELD AND POOL. OR WILDCAT: Monument Butte |
| | | COUNTY: Uintah |
| | | STATE: Utah |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|---|---|--|
| <input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____ | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
| | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> SIDETRACK TO REPAIR WELL |
| | <input type="checkbox"/> CASING REPAIR | <input type="checkbox"/> NEW CONSTRUCTION | <input type="checkbox"/> TEMPORARILY ABANDON |
| | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> TUBING REPAIR |
| | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> VENT OR FLAIR |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 02/26/2004 | <input type="checkbox"/> CHANGE WELL NAME | <input type="checkbox"/> PLUG BACK | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> PRODUCTION (START/STOP) | <input type="checkbox"/> WATER SHUT-OFF |
| | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input checked="" type="checkbox"/> OTHER - Weekly Status Report |
| | <input type="checkbox"/> CONVERT WELL TYPE | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

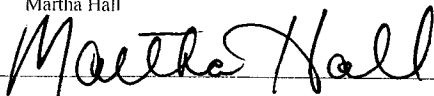
Status report for time period 2/17/04 – 2/26/04 Subject well had completion procedures initiated in the Green River formation on 2/17/04 without the use of a service rig over the well. A cement bond log was run and a total of seven Green River intervals were perforated and hydraulically fracture treated w/ 20/40 mesh sand. Perf intervals were #1 (5898-5906') (4 JSPF); #2 (5528-5547') (4 JSPF); #3 (5298-5305'), (5272-5290') (All 4 JSPF); #4 (5123-5130'), (5104-5117') (All 4 JSPF); #5 (4972-4980') (4 JSPF); #6 (4516-4526'), (4476-4480'), (4452-4461') (All 4 JSPF); #7 (4348-4356') (4 JSPF). Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved on well on 2/19/04. Bridge plugs were drilled out. Well was cleaned out to PBTD @ 6159'. Zones were swab tested for sand cleanup. A BHA & production tbg string were run in and anchored in well. End of tubing string @ 5903.43'. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 2/26/04.

NAME (PLEASE

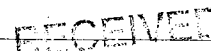
Martha Hall

TITLE Office Manager

SIGNATURE



DATE March 02, 2004



(This space for State use only)

MAR 03 2004

DIV. OF OIL, GAS & MINING

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. **SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN" form for such proposals.

OIL ☐ GAS ☐
WELL ☐ WELL ☐ OTHER ☒

2. NAME OF OPERATOR
INLAND PRODUCTION COMPANY

3. ADDRESS AND TELEPHONE NUMBER
**Rt. 3 Box 3630, Myton Utah 84052
435-646-3721**

4. LOCATION OF WELL
Footages **1980 FSL 660 FWL**
QQ, SEC, T, R, M: **NW/SW Section 32, T8S R18E**

5. LEASE DESIGNATION AND SERIAL NO.

ML-22058

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. WELL NAME and NUMBER

SUNDANCE 12-32-8-18

9. API NUMBER

43-047-34462

10. FIELD AND POOL, OR WILDCAT

8 MILE FLAT NORTHCOUNTY **UINTAH**STATE **UTAH**11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA****NOTICE OF INTENT:**

(Submit in Duplicate)

- ☐ ABANDON ☐ NEW CONSTRUCTION
☐ REPAIR CASING ☐ PULL OR ALTER CASING
☐ CHANGE OF PLANS ☐ RECOMPLETE
☐ CONVERT TO INJECTION ☐ REPERFORATE
☐ FRACTURE TREAT OR ACIDIZE ☐ VENT OR FLARE
☐ MULTIPLE COMPLETION ☐ WATER SHUT OFF
☒ OTHER **Dispose Water**

SUBSEQUENT REPORT OF:

(Submit Original Form Only)

- ☐ ABANDON* ☐ NEW CONSTRUCTION
☐ REPAIR CASING ☐ PULL OR ALTER CASING
☐ CHANGE OF PLANS ☐ RECOMPLETE
☐ CONVERT TO INJECTION ☐ REPERFORATE
☐ FRACTURE TREAT OR ACIDIZE ☐ VENT OR FLARE
☐ OTHER _____

DATE WORK COMPLETED _____

Report results of Multiple Completion and Recompletions to different
reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND
LOG form.

*Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.
Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

13.

NAME & SIGNATURE:

Mandie Crozier
Mandie Crozier

TITLE

Regulatory Specialist

DATE

3/16/2004

(This space for State use only)

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
MAR 18 2004
DIV. OF OIL, GAS & MINING

Inland Resources Inc.

March 30, 2004

State of Utah, Division of Oil, Gas and Mining
Attn: Ms. Carol Daniels
P.O. Box 145801
Salt Lake City, Utah 84144-5801

Attn: Ms. Carol Daniels

Ashley 6-15-9-15 (43-013-32402)
Duchesne County, Utah

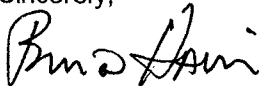
Sundance State 12-32-8-18 (43-047-34462)
Uintah County, Utah

Dear Ms. Carol Daniels

Enclosed is a Well Completion or Recompletion Report and Log form (Form 3160-4). We are no longer sending Log copies since Pat Grissom of Phoenix Surveys is already doing so.

If you should have any questions, please contact me at (303) 382-4449.

Sincerely,



Brian Harris
Engineering Tech

Enclosures

cc: Bureau of Land Management
Vernal District Office, Division of Minerals
Attn: Edwin I. Forsman
170 South 500 East
Vernal, Utah 84078

Well File – Denver
Well File – Roosevelt
Patsy Barreau/Denver
Bob Jewett/Denver
Matt Richmond/Roosevelt

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APR 02 2004

DIV. OF OIL, GAS & MINING

SUBMIT IN DUPLICATE*

FORM APPROVED

(See other instructions on reverse side)

OMB NO. 1004-0137

Expires: February 28, 1995

009

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.

ML-22058

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Sundance 12-32-8-18

9. WELL NO.

43-047-34462

10. FIELD AND POOL OR WILDCAT

Sundance Area

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 32, Twp. 8S, Rng. 18E

12. COUNTY OR PARISH

Utah

13. STATE

UT

1a. TYPE OF WORK

OIL WELL ☒

GAS WELL ☐

DRY ☐

Other

1b. TYPE OF WELL

NEW WELL ☒

WORK OVER ☐

DEEPEN ☐

PLUG BACK ☐

DIFF RESVR. ☐

Other

2. NAME OF OPERATOR

INLAND RESOURCES INC.

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*

At Surface 1980' FSL & 660' FWL (NWSW) Sec. 32, Twp 8S, Rng 18E

At top prod. Interval reported below

At total depth

14. API NO.

43-047-34462

DATE ISSUED

3/14/2002

15. DATE SPUNDED

1/23/2004

16. DATE T.D. REACHED

2/7/2004

17. DATE COMPL. (Ready to prod.)

2/26/2004

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

5015' GL

5027' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6200'

21. PLUG BACK T.D., MD & TVD

6159'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

Green River 4348'-5906'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED

No

23. CASING RECORD (Report all strings set in well)

| CASING SIZE/GRADE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT, CEMENTING RECORD | AMOUNT PULLED |
|-------------------|-----------------|----------------|-----------|---|---------------|
| 8-5/8" - J-55 | 24# | 310' | 12-1/4" | To surface with 150 sx Class "G" cmt | |
| 5-1/2" - J-55 | 15.5# | 6184' | 7-7/8" | 300 sx Premlite II and 400 sx 50/50 Poz | |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
| | | | | | 2-7/8" | EOT @ | TA @ |
| | | | | | | 5903' | 5802' |

31. PERFORATION RECORD (Interval, size and number)

| INTERVAL | SIZE | SPF/NUMBER | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |
|--------------------------------------|-------|------------|--|
| (CP3) 5898-5906' | .038" | 4/32 | DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED |
| (LODC) 5528-5547' | .038" | 4/76 | 5898'-5906' Frac w/ 24,623# 20/40 sand in 305 bbls fluid. |
| (B2,A.5) 5272-90', 5298-5305' | .038" | 4/112 | 5528-5547' Frac w/ 39,615# 20/40 sand in 385 bbls fluid. |
| (C-sd) 5104-5117', 5123-30' | .038" | 4/80 | 5272-5305' Frac w/ 79,615# 20/40 sand in 598 bbls fluid. |
| (D2) 4972-4980' | .038" | 4/32 | 5104'-5130' Frac w/ 119,626# 20/40 sand in 825 bbls fluid. |
| (GB4,6) 4452-61', 4476-80', 4516-26' | .038" | 4/92 | 4972-4980' Frac w/ 29,566# 20/40 sand in 310 bbls fluid. |
| | | | 4452'-4526' Frac w/ 80,019# 20/40 sand in 577 bbls fluid. |

33.*

PRODUCTION

| | | | | | | |
|------------------------------------|--|-----------------------------------|-----------------------------------|------------------|-----------------|---|
| DATE FIRST PRODUCTION 2/26/2004 | PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 15' RHAC Pump | | | | | WELL STATUS (Producing or shut-in) PRODUCING |
| DATE OF TEST 10 day ave | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD -----> | OIL--BBLs. 68 | GAS--MCF. 42 | WATER--BBL. 30 |
| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE -----> | OIL--BBL. | GAS--MCF. | WATER--BBL. | GAS-OIL RATIO 618 |
| | | | | | | OIL GRAVITY-API (CORR.) |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

TEST WITNESSED BY

36. I hereby certify that the foregoing and attached information is complete and correct and derived from all available records

SIGNED

Brian Harris

RECEIVED

Engineering Technician

DATE 3/30/2004

Brian Harris

BDH

*(See Instructions and Specifications and Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DIV. OF OIL, GAS & MINING

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries).

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | 38. GEOLOGIC MARKERS | TOP | |
|-----------|-----|--------|----------------------------------|-----------------------|-------------|------------------|
| | | | | | MEAS. DEPTH | TRUE VERT. DEPTH |
| | | | Well Name Sundance 12-32-8-18 | Garden Gulch Mkr | 3929' | |
| | | | | Garden Gulch 1 | 4146' | |
| | | | | Garden Gulch 2 | 4259' | |
| | | | | Point 3 Mkr | 4532' | |
| | | | | X Mkr | 4744' | |
| | | | | Y-Mkr | 4784' | |
| | | | | Douglas Creek Mkr | 4916' | |
| | | | | BiCarbonate Mkr | 5162' | |
| | | | | B Limestone Mkr | | |
| | | | | Castle Peak | 5842' | |
| | | | | Basal Carbonate | 6140' | |
| | | | | Total Depth (LOGGERS) | 6200' | |

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APR 02 2004
DIV. OF OIL, GAS & MINING



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

OPERATOR CHANGE WORKSHEET

010

Change of Operator (Well Sold)

Designation of Agent/Operator

ROUTING

1. GLH

2. CDW

3. FILE

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

9/1/2004

FROM: (Old Operator):

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

TO: (New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.

Unit:

WELL(S)

| NAME | SEC | TWN | RNG | API NO | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS | |
|----------------------------|-----|------|------|------------|-----------|------------|-----------|-------------|---|
| HANCOCK 14-23-4-1 | 23 | 040S | 010W | 4304733080 | 12331 | Fee | OW | P | |
| HANCOCK 11-23-4-1 | 23 | 040S | 010W | 4304733081 | 12355 | Fee | OW | P | |
| HANCOCK 4-26-4-1 | 26 | 040S | 010W | 4304733082 | 12492 | Fee | OW | P | |
| ODEKIRK SPRINGS 1A-35-8-17 | 35 | 080S | 170E | 4304733549 | 12909 | Federal | OW | P | |
| ODEKIRK SPRINGS 15-35-8-17 | 35 | 080S | 170E | 4304733550 | 13094 | Federal | OW | P | |
| ODEKIRK SPRING 13-36-8-17 | 36 | 080S | 170E | 4304733076 | 12420 | State | D | PA | |
| SUNDANCE FED 14-31-8-18 | 31 | 080S | 180E | 4304734287 | | Federal | OW | APD | K |
| FEDERAL 1-31-8-18 | 31 | 080S | 180E | 4304734494 | 13927 | Federal | OW | P | K |
| FEDERAL 2-31-8-18 | 31 | 080S | 180E | 4304734495 | 13959 | Federal | OW | OPS | K |
| SUNDANCE 7-32-8-18 | 32 | 080S | 180E | 4304734458 | 13987 | State | OW | P | K |
| SUNDANCE 8-32-8-18 | 32 | 080S | 180E | 4304734459 | 14047 | State | OW | P | K |
| SUNDANCE 9-32-8-18 | 32 | 080S | 180E | 4304734460 | 13988 | State | OW | OPS | K |
| SUNDANCE 11-32-8-18 | 32 | 080S | 180E | 4304734461 | 13962 | State | OW | P | K |
| SUNDANCE 12-32-8-18 | 32 | 080S | 180E | 4304734462 | 14031 | State | OW | P | K |
| SUNDANCE 13-32-8-18 | 32 | 080S | 180E | 4304734463 | 13964 | State | OW | P | K |
| SUNDANCE 14-32-8-18 | 32 | 080S | 180E | 4304734464 | 14046 | State | OW | P | K |
| SUNDANCE 15-32-8-18 | 32 | 080S | 180E | 4304734465 | 13978 | State | OW | P | K |
| SUNDANCE 16-32-8-18 | 32 | 080S | 180E | 4304734466 | 14028 | State | OW | OPS | K |
| FEDERAL 2-6-9-18 | 06 | 090S | 180E | 4304734013 | | Federal | OW | APD | K |
| FEDERAL 3-6-9-18 | 06 | 090S | 180E | 4304734425 | | Federal | OW | APD | K |
| | | | | | | | | | |
| | | | | | | | | | |

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



IN REPLY REFER TO
3180
UT-922

June 30, 2005

Newfield Production Company
Attn: Kelly L. Donohoue
1401 Seventeenth Street, Suite 1000
Denver, Colorado 80202

Gentlemen:

The Sundance (Green River) Unit Agreement, Uintah County, Utah, was approved June 30, 2005. This agreement has been designated No. UTU82472X, and is effective July 1, 2005. The unit area embraces 11,143.86 acres, more or less.

Pursuant to regulations issued and effective June 17, 1988, all operations within the Sundance (Green River) Unit will be covered by your nationwide (Utah) oil and gas bond No. 0056.

The following leases embrace lands included within the unit area:

| | | | |
|------------|-----------|-----------|-----------|
| UTU0075174 | UTU39713 | UTU65970* | UTU79013* |
| UTU16539* | UTU39714 | UTU74404 | UTU79014* |
| UTU16540 | UTU44429 | UTU74835 | UTU80915 |
| UTU17424* | UTU64806* | UTU74872* | UTU82205 |
| UTU18043 | UTU65969 | UTU75234 | |

* Indicates lease to be considered for segregation by the Bureau of Land Management pursuant to Section 18 (g) of the unit agreement and Public Law 86-705.

All lands and interests by State of Utah, Cause No. 228-08 are fully committed.

Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.

RECEIVED

JUL 01 2005

DIV. OF OIL, GAS & MINING

*Docket No
2005-009*

We are of the opinion that the agreement is necessary and advisable in the public interest and for the purpose of more properly conserving natural resources. Certification-Determination, signed by the School and Institutional Trust Land Administration for the State of Utah, is attached to the enclosed agreement. We request that you furnish the State of Utah and all other interested principals with appropriate evidence of this approval.

Sincerely,

/s/ Terry Catlin

Terry Catlin
Acting Chief, Branch of Fluid Minerals

Enclosure

bcc: Mary Higgins w/enclosure
MMS - Data Management Division (Attn: James Sykes)
Trust Lands Administration
Division of Oil, Gas and Mining
Field Manager - Vernal w/enclosure
File - Sundance (Green River) Unit w/enclosure
Agr. Sec. Chron
Fluid Chron
Central Files

UT922:TAThompson:tt:06/30/2005

Entity Form 6
"C" Change from one existing entity to another existing entity

| API | Well | Sec | Twsp | Rng | Entity | Entity Eff Date |
|------------|------------------------|-----|------|------|----------------|-----------------|
| 4301316218 | CASTLE DRAW 16-10-9-17 | 10 | 090S | 170E | 8120 to 14844 | 9/20/2005 |
| 4301330568 | FEDERAL 8-10-9-17 | 10 | 090S | 170E | 8000 to 14844 | 9/20/2005 |
| 4301332502 | FEDERAL 9-10-9-17 | 10 | 090S | 170E | 14325 to 14844 | 9/20/2005 |
| 4301331593 | MON FED 11-11-9-17Y | 11 | 090S | 170E | 11904 to 14844 | 9/20/2005 |
| 4301332486 | FEDERAL 5-11-9-17 | 11 | 090S | 170E | 14285 to 14844 | 9/20/2005 |
| 4301332510 | FEDERAL 13-11-9-17 | 11 | 090S | 170E | 14273 to 14844 | 9/20/2005 |
| 4301332544 | FEDERAL 12-11-9-17 | 11 | 090S | 170E | 14613 to 14844 | 9/20/2005 |
| 4301332704 | FEDERAL 12-14-9-17 | 14 | 090S | 170E | 14786 to 14844 | 9/20/2005 |
| 4301331023 | FEDERAL 15-1-B | 15 | 090S | 170E | 10201 to 14844 | 9/20/2005 |
| | | | | | | |
| 4304734494 | FEDERAL 1-31-8-18 | 31 | 080S | 180E | 13927 to 14844 | 9/20/2005 |
| 4304734495 | FEDERAL 2-31-8-18 | 31 | 080S | 180E | 13959 to 14844 | 9/20/2005 |
| 4304734496 | FEDERAL 3-31-8-18 | 31 | 080S | 180E | 13915 to 14844 | 9/20/2005 |
| 4304734497 | FEDERAL 4-31-8-18 | 31 | 080S | 180E | 13942 to 14844 | 9/20/2005 |
| 4304734498 | FEDERAL 5-31-8-18 | 31 | 080S | 180E | 13898 to 14844 | 9/20/2005 |
| 4304734499 | FEDERAL 6-31-8-18 | 31 | 080S | 180E | 13960 to 14844 | 9/20/2005 |
| 4304734500 | FEDERAL 7-31-8-18 | 31 | 080S | 180E | 13925 to 14844 | 9/20/2005 |
| 4304734501 | FEDERAL 11-31-8-18 | 31 | 080S | 180E | 13924 to 14844 | 9/20/2005 |
| 4304734502 | FEDERAL 12-31-8-18 | 31 | 080S | 180E | 13958 to 14844 | 9/20/2005 |
| 4304734503 | FEDERAL 13-31-8-18 | 31 | 080S | 180E | 14324 to 14844 | 9/20/2005 |
| 4304734504 | FEDERAL 8-31-8-18 | 31 | 080S | 180E | 13961 to 14844 | 9/20/2005 |
| 4304734930 | FEDERAL 10-31-8-18 | 31 | 080S | 180E | 13986 to 14844 | 9/20/2005 |
| 4304734931 | FEDERAL 9-31-8-18 | 31 | 080S | 180E | 13963 to 14844 | 9/20/2005 |
| 4304731116 | NGC ST 33-32 | 32 | 080S | 180E | 6210 to 14844 | 9/20/2005 |
| 4304732500 | STATE 31-32 | 32 | 080S | 180E | 11645 to 14844 | 9/20/2005 |
| 4304732685 | SUNDANCE ST 5-32 | 32 | 080S | 180E | 11781 to 14844 | 9/20/2005 |
| 4304732740 | SUNDANCE ST 1-32R-8-18 | 32 | 080S | 180E | 11886 to 14844 | 9/20/2005 |
| 4304732741 | SUNDANCE ST 3-32 | 32 | 080S | 180E | 12059 to 14844 | 9/20/2005 |
| 4304732827 | SUNDANCE ST 4-32 | 32 | 080S | 180E | 12106 to 14844 | 9/20/2005 |
| 4304734458 | SUNDANCE 7-32-8-18 | 32 | 080S | 180E | 13987 to 14844 | 9/20/2005 |
| 4304734459 | SUNDANCE 8-32-8-18 | 32 | 080S | 180E | 14047 to 14844 | 9/20/2005 |
| 4304734460 | SUNDANCE 9-32-8-18 | 32 | 080S | 180E | 13988 to 14844 | 9/20/2005 |
| 4304734461 | SUNDANCE 11-32-8-18 | 32 | 080S | 180E | 13962 to 14844 | 9/20/2005 |
| 4304734462 | SUNDANCE 12-32-8-18 | 32 | 080S | 180E | 14031 to 14844 | 9/20/2005 |
| 4304734463 | SUNDANCE 13-32-8-18 | 32 | 080S | 180E | 13964 to 14844 | 9/20/2005 |
| 4304734464 | SUNDANCE 14-32-8-18 | 32 | 080S | 180E | 14046 to 14844 | 9/20/2005 |

| | | |
|--|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22058 |
| 1. TYPE OF WELL Oil Well | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY | | 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV) |
| 3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 , Denver, CO, 80202 | | 8. WELL NAME and NUMBER: SUNDANCE 12-32-8-18 |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980 FSL 0660 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 32 Township: 08.0S Range: 18.0E Meridian: S | | 9. API NUMBER: 43047344620000 |
| PHONE NUMBER: 303 382-4443 Ext | | 9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH |
| COUNTY: UINTAH | | STATE: UTAH |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

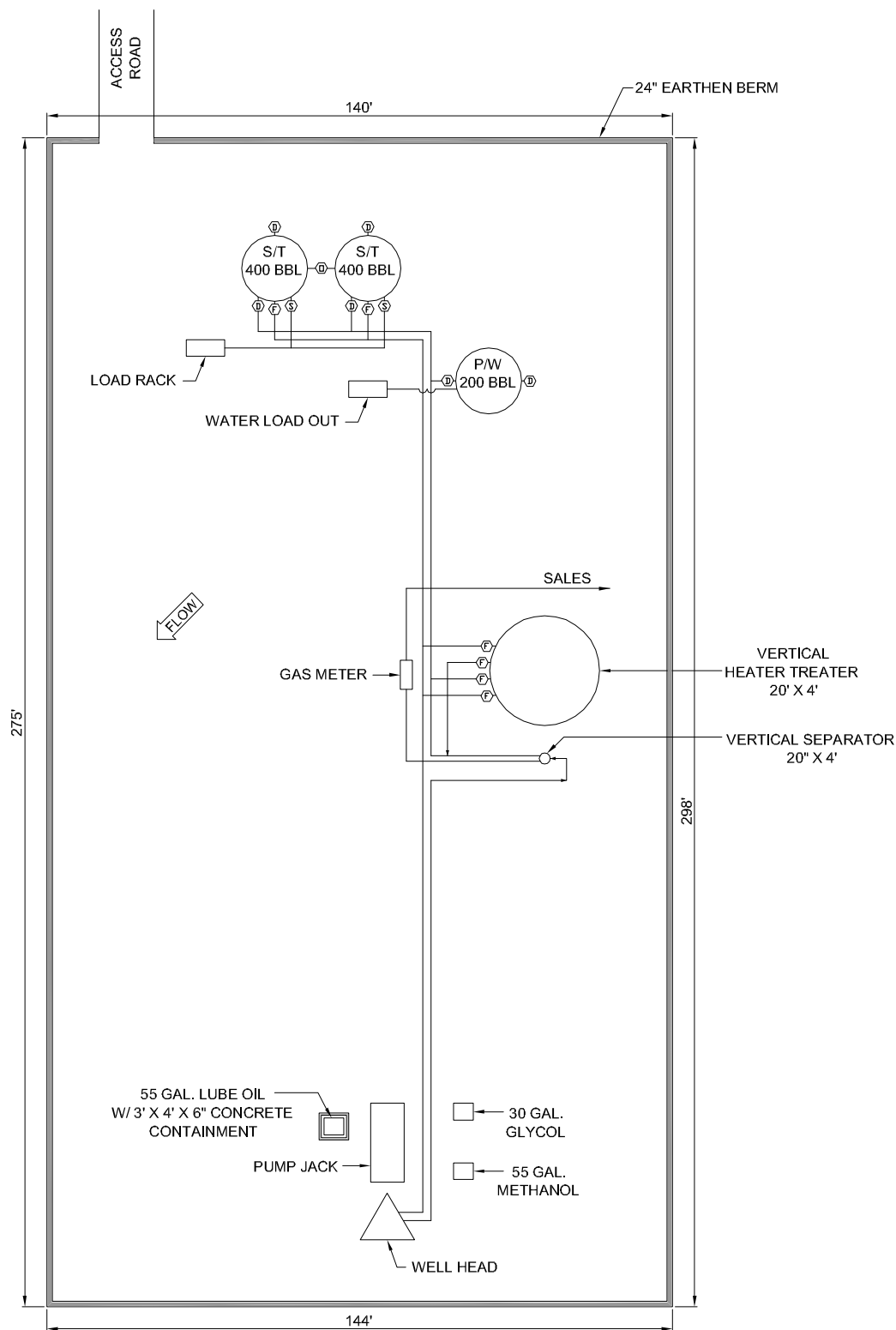
| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|--|--|---|--|--|
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR | |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/1/2012 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME | |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE | |
| <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION | |
| | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> PLUG BACK | |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION | |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | <input type="checkbox"/> TEMPORARY ABANDON | |
| | <input type="checkbox"/> TUBING REPAIR | <input type="checkbox"/> VENT OR FLARE | <input type="checkbox"/> WATER DISPOSAL | |
| | <input type="checkbox"/> WATER SHUTOFF | <input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> APD EXTENSION | |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input checked="" type="checkbox"/> OTHER | OTHER: Site Facility/Site Security | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.



SEE ATTACHED REVISED SITE FACILITY DIAGRAM

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 August 27, 2012

| | | |
|--|-------------------------------------|---------------------------------------|
| NAME (PLEASE PRINT) Jill L Loyle | PHONE NUMBER 303 383-4135 | TITLE Regulatory Technician |
| SIGNATURE N/A | DATE 8/13/2012 | |



UTU87538X

| | | | | | | | | | |
|---|-----------------|-------------|----------------|---|-----------------|----------|----------------|---|--|
| POSITION OF VALVES AND USE OF SEALS DURING PRODUCTION | | | | Federal Lease #: UTU 87538 X (ML-22058) API #: 4304734462 This lease is subject to the Site Security Plan for: Newfield Exploration Company 19 East Pine Street Pinedale, WY 82941 | | | |  <div>SUNDANCE 12-32-8-18</div> <div>Newfield Exploration Company NWSW Sec 32, T8S, R18E Uintah County, UT</div> | |
| Valve | Line Purpose | Position | Seal Installed | Valve Type | | | | | |
| D | Drain | Closed | Yes | D - Drain Valve | | | | | |
| F | Oil, Gas, Water | Open | No | F - Flow Valve | | | | | |
| O | Overflow | Open/Closed | No | O - Overflow | | | | | |
| V | Vent | Open | No | V - Vent | | | | | |
| R | Recycle | Closed | Yes | R - Recycle | | | | | |
| B | Blowdown | Open/Closed | No | B - Blow Down | | | | | |
| S | Sales | Closed | Yes | S - Sales Valve | | | | | |
| POSITION OF VALVES AND USE OF SEALS DURING SALES | | | | POSITION OF VALVES AND USE OF SEALS DURING WATER DRAIN | | | | | |
| Valve | Line Purpose | Position | Seal Installed | Valve | Line Purpose | Position | Seal Installed | | |
| D | Drain | Closed | Yes | D | Drain | Open | No | | |
| F | Oil, Gas, Water | Closed | Yes | F | Oil, Gas, Water | Closed | No | | |
| O | Overflow | Closed | Yes | O | Overflow | Closed | No | | |
| V | Vent | Open | No | V | Vent | Open | No | | |
| R | Recycle | Closed | Yes | R | Recycle | Closed | Yes | | |
| B | Blowdown | Closed | No | B | Blowdown | Closed | No | | |
| S | Sales | Open | No | S | Sales | Closed | Yes | | |
| | | | | | | | | M.G. | |
| | | | | | | | | MAR 2012 | |
| | | | | | | | |  <div>Note: This drawing represents approximate sizes and distances. Underground pipeline locations are also approximated.</div> | |

RECEIVED: Aug. 13, 2012

| | | |
|--|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22058 |
| 1. TYPE OF WELL Oil Well | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY | | 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV) |
| 3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 , Denver, CO, 80202 | | 8. WELL NAME and NUMBER: SUNDANCE 12-32-8-18 |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980 FSL 0660 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 32 Township: 08.0S Range: 18.0E Meridian: S | | 9. API NUMBER: 43047344620000 |
| PHONE NUMBER: 303 382-4443 Ext | | 9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH |
| COUNTY: UINTAH | | STATE: UTAH |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|--|
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/15/2014 | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | | | |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | | | |
| <input type="checkbox"/> DRILLING REPORT Report Date: | | | |
| | OTHER: <input style="width: 100px;" type="text" value="Pipeline Installation"/> | | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

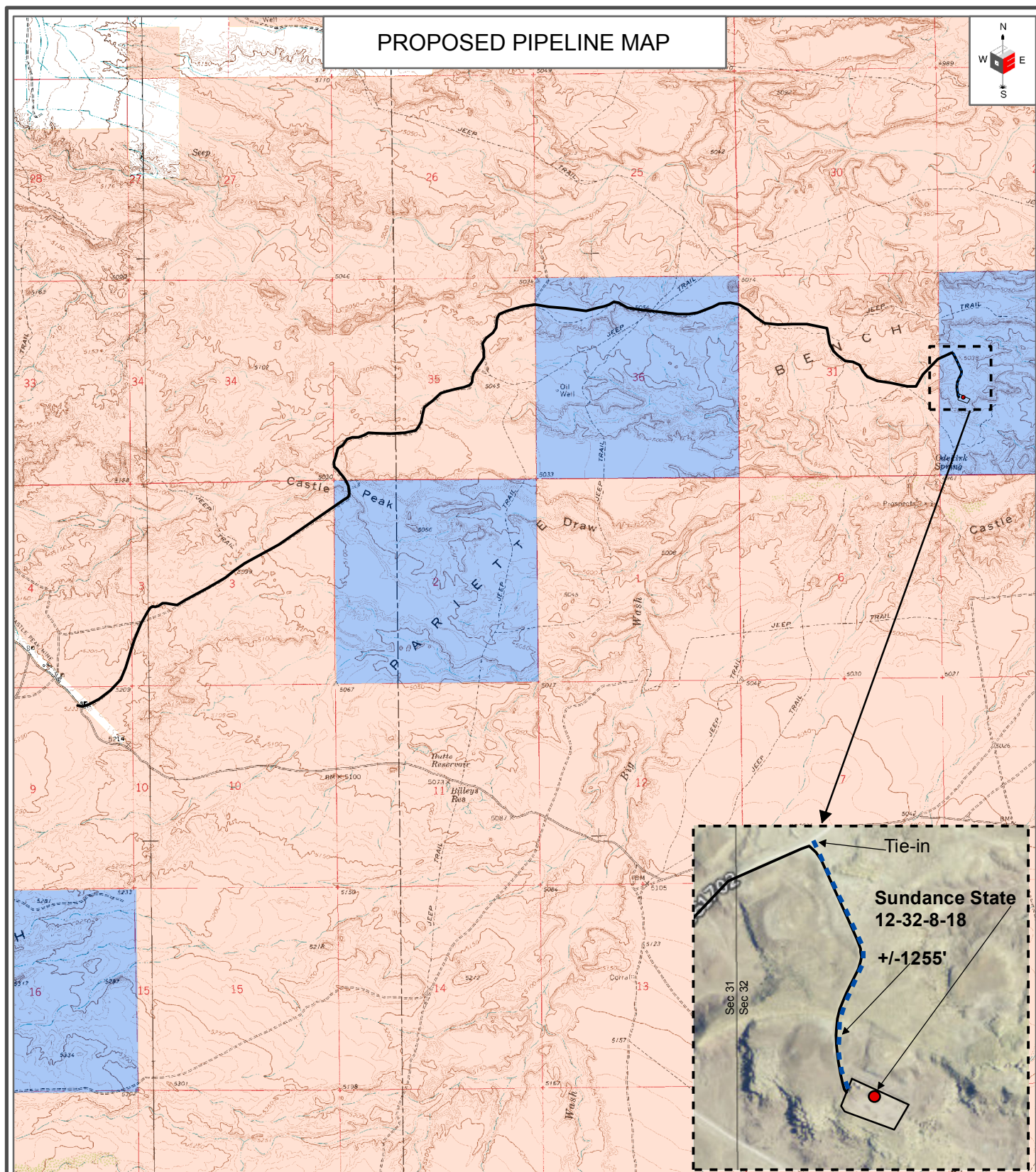
Newfield would like to install a buried 3" Flex-steel Pipe for purposes of water injection to the 12-32-8-18 totaling 1255 feet in length. Reclamation activities would commence after construction activities were complete.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

FOR RECORD ONLY

August 18, 2014

| | | |
|--|-------------------------------------|---------------------------------------|
| NAME (PLEASE PRINT) Jill L Loyle | PHONE NUMBER 303 383-4135 | TITLE Regulatory Technician |
| SIGNATURE N/A | DATE 8/6/2014 | |

**LEGEND**

- Well Head Location
- Proposed Approx. Waterline
- Existing Access Road
- Existing Well Pad

Ownership

- Federal
- Private
- State
- Tribal



**SUNDANCE STATE 12-32-8-18
ON STATE GROUND
SEC. 32, T8S, R18E, S.L.B.&M.
UINTAH COUNTY, UT.**

NO BOUNDARY SURVEY HAS BEEN PERFORMED BY OUTLAW ENGINEERING ON THE ABOVE PARCELS OF GROUND. OUTLAW DOES NOT WARRANT ANY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION.



**OUTLAW
ENGINEERING INC.**
P.O. BOX 1800 ROOSEVELT,
UTAH 84066
(435) 232-4321

TOPOGRAPHIC
MAP

DATE SURVEYED: OCT 1, 2013
SURVEYED BY: DK, CW
SCALE: N.T.S.
DRAWN: OCTOBER 8, 2013
DRAWN BY: BWH

SHEET
D

| | | |
|--|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22058 |
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| 3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 , Denver, CO, 80202 | | 8. WELL NAME and NUMBER: SUNDANCE 12-32-8-18 |
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| PHONE NUMBER: 303 382-4443 Ext | | 9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH |
| COUNTY: UINTAH | | STATE: UTAH |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|--|
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/1/2014 | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | | | |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | | | |
| <input type="checkbox"/> DRILLING REPORT Report Date: | | | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

NEWFIELD EXPLORATION PROPOSES TO CONVERT THE ABOVE MENTIONED WELL FROM A PRODUCING OIL WELL TO AN INJECTION WELL. See attached proposed wellbore diagram.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

FOR RECORD ONLY

September 04, 2014

| | | |
|--|-------------------------------------|---------------------------------------|
| NAME (PLEASE PRINT) Jill L Loyle | PHONE NUMBER 303 383-4135 | TITLE Regulatory Technician |
| SIGNATURE N/A | DATE 8/1/2014 | |

SUNDANCE #12-32-8-18

Spud Date: 1/23/04
Put on Production: 2/26/04
GL: 5015' KB: 5027'

Initial Production: BOPD,
MCFD, BWPD

SURFACE CASING

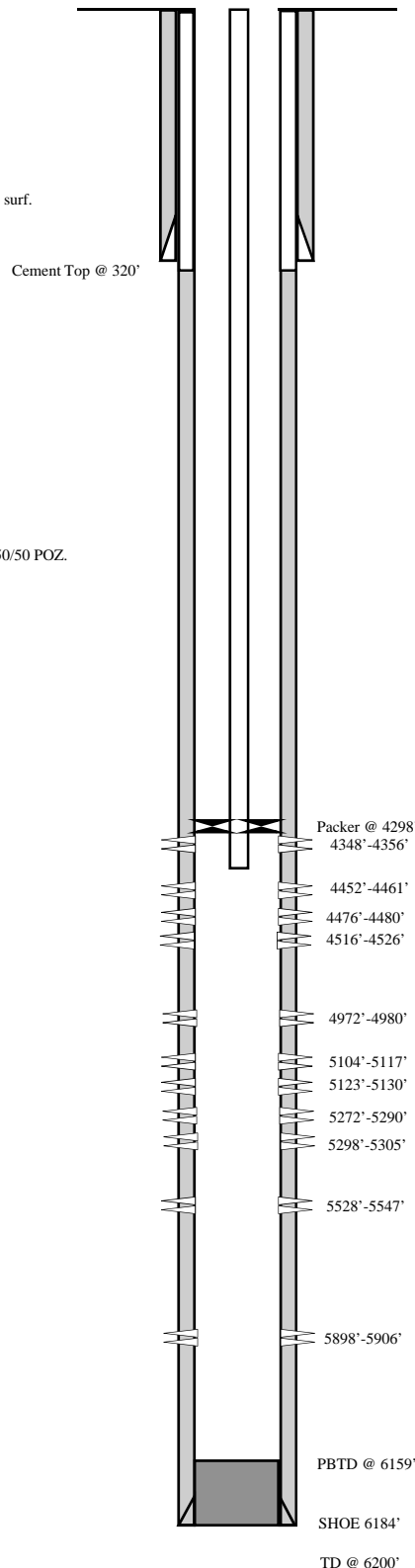
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (299.51')
DEPTH LANDED: 309.51' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 150 sxs Class "G" cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 145 jts. (6185.99')
DEPTH LANDED: 6183.99' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 320'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 179 jts (5790.08')
TUBING ANCHOR: 5802.08' KB
NO. OF JOINTS: 1 jt (32.30')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5837.18' KB
NO. OF JOINTS: 2 jts (64.70')
TOTAL STRING LENGTH: EOT @ 5903.43' W/12' KB

Proposed Injection
Wellbore DiagramFRAC JOB

| | | |
|---------|-------------|--|
| 2/18/04 | 5898'-5906' | Frac CP3 sands as follows: 24,623# 20/40 sand in 305 bbls Lightning frac 17 fluid. Treated @ avg press of 1776 psi w/avg rate of 24.4 BPM. ISIP 1700 psi. Calc flush: 5896 gal. Actual flush: 5922 gal. Flush called @ blender—includes 2 bbls pump/line volume. |
| 2/18/04 | 5528'-5547' | Frac LODC sands as follows: 39,615# 20/40 sand in 385 bbls Lightning frac 17 fluid. Treated @ avg press of 2392 psi w/avg rate of 24.6 BPM. ISIP 2600 psi. Calc flush: 5526 gal. Actual flush: 5586 gal. Flush called @ blender—includes 2 bbls pump/line volume. |
| 2/18/04 | 5272'-5305' | Frac A.5 and B2 sands as follows: 79,615# 20/40 sand in 598 bbls Lightning frac 17 fluid. Treated @ avg press of 1352 psi w/avg rate of 24.7 BPM. ISIP 1620 psi. Calc flush: 5270 gal. Actual flush: 5292 gal. Flush called @ blender—includes 2 bbls pump/line volume. |
| 2/18/04 | 5104'-5130' | Frac C sands as follows: 119,626# 20/40 sand in 825 bbls Lightning frac 17 fluid. Treated @ avg press of 1265 psi w/avg rate of 24.8 BPM. ISIP 1720 psi. Calc flush: 5102 gal. Actual flush: 5124 gal. Flush called @ blender—includes 2 bbls pump/line volume. |
| 2/18/04 | 4972'-4980' | Frac D2 sands as follows: 29,566# 20/40 sand in 310 bbls Lightning frac 17 fluid. Treated @ avg press of 1654 psi w/avg rate of 24.6 BPM. ISIP 1915 psi. Calc flush: 4970 gal. Actual flush: 4998 gal. Flush called @ blender—includes 2 bbls pump/line volume. |
| 2/18/04 | 4452'-4526' | Frac GB4 and GB6 sands as follows: 80,019# 20/40 sand in 577 bbls Lightning frac 17 fluid. Treated @ avg press of 1818 psi w/avg rate of 24.5 BPM. ISIP 2180 psi. Calc flush: 4450 gal. Actual flush: 4494 gal. Flush called @ blender—includes 2 bbls pump/line volume. |
| 2/19/04 | 4348'-4356' | Frac GB2 sands as follows: 34,154# 20/40 sand in 285 bbls Lightning frac 17 fluid. Treated @ avg press of 1695 psi w/avg rate of 24.4 BPM. ISIP 2510 psi. Calc flush: 4346 gal. Actual flush: 4074 gal. |

PERFORATION RECORD

| | | | |
|---------|-------------|--------|----------|
| 2/17/04 | 5898'-5906' | 4 JSPF | 32 holes |
| 2/18/04 | 5528'-5547' | 4 JSPF | 76 holes |
| 2/18/04 | 5298'-5305' | 4 JSPF | 40 holes |
| 2/18/04 | 5272'-5290' | 4 JSPF | 72 holes |
| 2/18/04 | 5123'-5130' | 4 JSPF | 28 holes |
| 2/18/04 | 5104'-5117' | 4 JSPF | 52 holes |
| 2/18/04 | 4972'-4980' | 4 JSPF | 32 holes |
| 2/18/04 | 4516'-4526' | 4 JSPF | 40 holes |
| 2/18/04 | 4476'-4480' | 4 JSPF | 16 holes |
| 2/18/04 | 4452'-4461' | 4 JSPF | 36 holes |
| 2/18/04 | 4348'-4356' | 4 JSPF | 32 holes |

**Sundance #12-32-8-18**

1980' FSL & 660' FWL
NWSW Section 32-T8S-R18E
Uintah Co, Utah
API #43-047-34462; Lease #ML-22058

JL 7/29/2014

RECEIVED: Aug. 01, 2014